

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1739 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

CTCGCAGCCG	NYAKYCGWAA	ATGGTCCAAT	GTACTIONCATC	CATCACTGCA	TCAACCTTAC	60
CTGTTTCTTC	GTTTCGTACGA	TGATCTTTCA	CCATTGAGTA	TGGATGGAAA	ACATATGATC	120
TAATTTGGCT	TCCCCAGCCG	ATTTCTTTTT	GTTTCGCCACG	AATTTTCAGCC	ATTTACAGTG	180
CCTGCTCTTC	CAATTTTAAT	TGATATAAAT	TAGACTTTAA	CATTTTCATA	GCTGCTTCAC	240
GGTTTTTAAT	TTGAGAACGT	TCATTTTGGT	TATTAACAAC	TATACCTGAG	GGGTGGTGGG	300
TAATTCGTAT	TGCCGATTCA	GTTTTGTTAA	TATGCTGACC	ACCTGCACCA	GAAGCTCTGA	360
ATGTATCAAC	TGTAATATCA	TCCGGATTGA	TTTCAATCTC	TATTTTCATCA	TTATTAATAA	420
CTGGAATAAC	GTCGCATGAT	GCAAATGATG	TATGACGACG	TCCTGATGAA	TCAAATGGAG	480
AAATTCGTAC	TAGTCGGTGT	ACACCTTTTT	CAGCTTTTAA	ATAACCATAA	GCATTATGCC	540
CTTTGATGAG	CAATGTTACA	CTTTTAATCC	CCGCTTCATC	CCCAGGTAGA	TAATCAACAG	600
TTTCAACTTT	AAAGCCTTTC	TTCTCAACAA	TACGTTGAT	ACATTCTAAA	TAGCATATTA	660
GCCCAATCTT	GAGACTCCGT	GCCACCTGCA	CCAGGATGTA	ACTCTAGAAT	TGCGTTATTG	720
GCATCGTGAG	GCCCATCTAA	TAATAATTGC	AATTCGTATT	CATCCACTTT	AGCCTTAAAA	780
TTAATGACCT	CTTGCTCTAA	GTCTTCTTTC	ATTTCTTCA	TCAAATTCTT	CTTGTAATAA	840
ATCCCAAGTA	GCATCCATGT	CATCTACTTC	TGCTTGAGT	GTTTTATAAC	CATTAACTAT	900
TGCTTTTAAC	GCATTATTTT	TATCTATAAT	ATCTTGCCT	TTCGTTTGGT	TATCCCAAAA	960
ATTAGGTTCT	GCCATCATTT	CTTCATATTC	TTGAATATTA	GTTTCTTTGT	TCTCTAAGTC	1020
AAAGAGACCC	CCTAATTTGT	GTTAAATCTT	GATTATACTT	ATCTATATTT	CGTTTGATTT	1080
CTGATAAATC	CATAGCATTTC	GTCCTTATTT	ATATTTCAAT	TCAAGTCATT	GATTTGCATC	1140
TTTTATAATG	CTAAATTTTA	ACATAATTTT	GTTAAATAAC	AATGTTAAGA	AATATAAGCA	1200
CACTGACAAT	TAGTTTATGC	ATTTATTGTT	TAAAAAWGCA	GTACATTTAT	GCATCGACAT	1260
ATGCCTAAAC	CGATTTTTTA	AAACTAAGTA	CATAACAACG	TTTAACAAC	TCTTCACATT	1320
TTTTAAAGTA	TTTAACGCTT	GTAAATAAAA	AAGACTCCTC	CCATAACACA	ACATTAGGTT	1380
GTTTAATTGG	AAGGAGTTAT	TTTATATCAT	TTATTTTCCA	TGGCAATTTT	TGAATTTTTT	1440
ACCACTACCA	CATGACAAT	CATCGTTACG	ACCAACTTGA	TGCGCTTTAA	CGATTGGTTT	1500
CGGTTTCACT	TTTCTTTTAC	CATCTTCAGC	TGAAACGTGC	TTCGCTTCAC	CAAACCTCTG	1560
TGTTTTTTCA	CGTTCAATTC	TATCTTCAAC	TGTTATACAA	GATTTTAAAA	TGAATTTACA	1620
AGTATCTTCT	TCATATTTT	GCATCATGAT	ATCAAATAAT	TCATGACCTT	CATTTTGATA	1680
GTCACGTAAT	GGATTTTGTT	GTGCATAAGA	ACGTAAGTGA	ATACCTTGAC	GTAATTGAT	1739

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2368 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CTGCAGGTCG	ATCTGCATCT	TGATGTTTAT	GAAATTCGAG	TTGATCTAGT	AATTAAATAA	60
CCAGCTAATA	ATGACACTAC	ATCAGKAAGA	ATAATCCACT	CGTTATGGAA	ATACTCTTTA	120
TAGATTGAGG	CACCAATTAA	AATTAATGTC	AGAATAGTAC	CGACCCATTT	ACTTCTTGTT	180
ATTACACTAA	ATAATACTAC	CAAGACACAT	GGAAAGAAATG	CTGCGCTAAA	ATACCATATC	240
ATTCATTTTC	CTCTTTTCTT	TTATTTAAAA	TGTTTCATGGT	TGTTTCTCTT	AATTCTGTTT	300
TAGGTATAAA	TTTTTTCAGTC	AACATTTCTG	GAATGATAAT	ATTAATAAAA	CTTTGTACAG	360
ATGCTAAATG	GTCAAATTGA	ATAATTGTTT	CTAGACTCAT	TTCATAAATT	TCGAAAAATA	420
ATTCTTCGGG	ATTACGKTTT	TGTATTTCTC	CAAATGTTTC	ATAAAGCAAA	TCAATTTTAT	480
CAGCAACTGA	AAGTATTTGG	CCTTCTAATG	AATCATCTTT	ACCTTCTTGC	AGTCGTTGCT	540
TATAAACATC	TCTATATTGT	AATGGAATTT	CTTCTTCAAT	AAAGGTCTCT	ACCATTCTCT	600
CTTCAACTTG	CGAAAAATAAT	TTTTTTAATT	CACACTCGC	ATATTTAACA	GGTGTTTTTA	660
TATCACCAGT	AAACACTTCG	GSGAAATCAT	GATTTAATGC	TTTTTCATAT	AAGCTTTTCC	720
AATTAAYCTT	TCTCCATGAT	ATTCTTCAAC	TGTTGCTAGA	TATTGTGCAA	TTTTAGTTAC	780
TTTAAAGGAG	TGTGCTGCAA	CATTGTGTTT	AAAAATTTTA	AATTTTCCAG	GTAATCTTAT	840
AAGTCTTTCC	ATATCTGATA	ATCTTTTAAA	ATATTGATGT	ACACCCATTT	CAATTACCTC	900
CTCCATTAAT	TAATCATAAA	TTATACTTTC	TTTTTACATA	TCAATCAATT	AAATATCATT	960
TAAATATCTT	CTTTATATAA	CTCTGATTAA	ATGATACCAA	AAAATCCTCT	CAACCTGTTA	1020

CTTAAACAGG	CTAAGAGGGT	AGTCTTGTCT	TGATATATTA	CTTAGTGGAT	GTAATTATAT	1080
TTTCCTGGAT	TTAAAATTGT	TCTTGAAGAT	TTAACATTAA	ATCCAGCATA	GTTCAATTTTC	1140
AGAAACAGTA	ATTGTTCCMT	TTAGGGTTTA	CAGATTCAAC	AACACCAACA	TGTCCATATG	1200
GACCAGCAGC	TGTTTGGAAA	ATAGCGCCAA	CTTCTGGKGT	TTTATCTACT	TTTAAATCCT	1260
GCAACTTTTG	CTGCGTAATT	CCAGTTATTT	GCATTGCCCC	ATAAACTTCC	TATACTTCTA	1320
CCTAATTGTG	CACGACGATC	GAAAGCATAA	TATGTGCAGT	TTCCATAAGC	ATATAAGTTT	1380
CCTCTGTTAG	CAACTGATTT	ATTGTAGTTA	TGTGCAACAG	GTACAGTTGG	TACTGATTTT	1440
TGTACTTGAG	CAGGTTTGTA	TGCTACATTA	ACTGTCTTAG	TTACTGCTTG	CTTAGGTGCT	1500
TGCTTAACTA	CTACTTTTTT	AGATGCTTGT	TGTACAGGTT	GTTTTACTAC	CTTTTGTAGT	1560
TGGCTTGCTT	TTCTTACTGG	TGATTTAACC	GCTTTAGTTT	GTTTCACTTT	ATTTTGAGGC	1620
ACAAGTGAAA	TCACGTCACC	AGGAAAAATT	AAAGGTGTTA	CACCAGGATT	GTATTGAATA	1680
TAATTGATTC	AACGTTAAGT	GATGCTCTTA	AAGCAATCTT	ATATTAATGA	ATCGCCAGCA	1740
ACTACTGWT	AAGTTGTCGG	TGATTGCGTT	TGTGCTTGAA	CATTTGATAC	ATAATTATGT	1800
TGAACAGGTG	TTTTTACTTG	TGTGCCATGT	TGTTGTGCAT	GTGCKGCATT	ATTTAAAGCK	1860
AAAAAAGCTA	ACACTGACGA	AACCGTCACT	GWAAGARART	TTTTTCATCTK	GCTGTCATTC	1920
CTTTGCTGTW	AGTATTTTAA	GTTATGCAAA	TACTATAGCA	CAATACATTT	TGTCCAAAAAG	1980
CTAATTGTGA	TAACGANGTA	ATCAAAATGGT	TAACAANATN	AANAGAAGAC	AACCGTNTAT	2040
CATAGNGGNA	AAAGTAGNCA	TACCATGNAA	TAGCAAGACG	TNTCAANAAN	TAANTCAATA	2100
CCNTGAAAAT	CGCCATAGGN	AATATTACNA	AATGCACACT	GCATATGNTG	NTTTAACAAA	2160
CACNACTTTT	NANAAATATA	NTCTAACTCT	ATCTACCGAA	TTGNACTTAA	ATATTCAATA	2220
ANAAATNATA	TTCNAAAATC	TAATTTACAA	TTTATTTAGC	TACCTTTAAA	AAANCNNAAA	2280
ACCGACGNCC	TTTTAGAGCC	TCGGTTTTTA	NATATATNTT	AATCGTGCGA	CATTGTCTGT	2340
TTTNAATNTG	ATTGCACTCT	AGNGGATC				2368

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2494 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

AATCATTTTA	AATGATTGAT	CAAGATGGTA	TGGCGAAAGA	CCAACGTAAT	CACTTAATTC	60
TTGCAAAATG	AAAGGCTCTA	ATAAACGATC	TTCAATATAA	ACAATTGCCT	GTTGTATTTG	120
CTTGATAACG	TCCAAAACCT	TCACTCCAAT	TAATTCAATC	ATTTATTTTT	ATTCTACATT	180
ATTTCTATAA	ATTATACACC	CATTTGTTCA	ATGATTATTA	AAATAGTTTT	GGGCATTGTA	240
AAATATAATT	TCATAATATA	GTCTAGAAAA	AAAGCGAATG	ATAGAACAAT	TGATTTACTT	300
GATTCGTAAT	CAATCCTTGT	CATTCGCTCA	TTTATTTTGT	TTTAACATGT	CGGTTTTAAT	360
TCAATTATTT	AATATCGTCC	CACCAATGGT	TACCATCAGC	AGCAAGTAGT	AAATCACTTT	420
CTAATGGACC	ATTAGTACCT	GATTCATAGT	TAGGGAATTC	TGGATCAACC	ATATTCCATT	480
CATCTTGGA	TTGCATCAAC	AAATTTCCAT	GTTGATTTTA	ATTCTTCCCA	GTGCGTGAAG	540
TTAGTGGCAT	CACCTTTAAG	ACAATCAAAT	AATAGATTTT	CATATGCATC	TACAGTATTC	600
ATTTTATCTT	GAGCGCTCAT	TGAGTAAGAC	AATTGGACAG	GTTCTGTTTC	GATACCTTGT	660
GTWTTTTTCT	TAGCATTAR	ATGTAAAGAT	ACACCTTCAT	TAGGTTGGAT	ATTGATTANT	720
AATAGGTTTG	AATCTAACAG	TTTATCAGTT	TCATAGTATA	AGTTCAATTGG	TACTTCTTTA	780
AATTCACGCA	CAACTTGAAT	TGTTTTAGAT	TTCATACGTT	TACCAGTACG	GATATAGAAT	840
GGTACACCGA	CCCATCTAAA	GTTATCAATT	GTTAATTTAC	CTGAAACAAA	GGTAGGTGTG	900
TTAGAGTCAT	CTGCAACGCG	ATCTTCATCA	CGGTATGCTT	TAACCTGTTT	ACCATCGATA	960
TAGCCTTCGC	CATATTGACC	ACGAACAAAG	TTCTTTTAA	CATCTTCAGA	TTGGAAATGA	1020
CGCAGTGATT	TAAGTACTTT	TAACCTTCTC	AGCACGGATA	TCTTCACTAT	TTAAACTAAT	1080
AGGTGCTTCC	ATAGCTAATA	ATGCAACCAT	TTGTAACATG	TGGTTTTGCA	CCATATCTTT	1140
TAGCGCGCCA	CTTGATTTCAT	AATAACCACC	ACGATCTTCA	ACACCTAGTA	TTTCAGAAGA	1200
TGTAACYYGG	ATGTTTGAAA	TATATTTGTT	ATTCCATAAT	GGTTCAAACA	TCGCATTTCG	1260
AAAACGTAAT	ACCTCGATAT	TTTGAACCAT	GTCTTTTCCCT	AAATAGTGGT	CMATACGRTA	1320
AATTTCTTCT	TCTTTAAATG	ATTTACGAAT	TTGATTGTTT	AATGCTTCGG	CTGATTTTAA	1380
ATCACTACCG	AATGGTTTTT	CGATAACAAG	GCGTTTAAAT	CCTTTTGTAT	CAGTAAGACC	1440
AGAAGATTTT	AGATAATCAG	AAATAACGCC	AAAGAATTGT	GGTGCCATTG	CTAAATAGAA	1500
TAGTCGATTA	CTTYYTAATT	CAAATTGGCT	ATCTAATTCA	TTACTAAAAT	CTAGTAATTT	1560
CTTGATAGCT	TTCTTCATTA	CTAACATCAT	GTCTATGATA	GAAGACATGT	TCCATAAACG	1620
CGTCAATTTT	GTTTGTATCT	TTWACGTGCT	TTTGAATTGA	TGATTTTAAC	TTGATTACGG	1680
AAATCATCAT	TAGTAATGTC	ACGACGTCCA	ATACCGATGA	TGGCAATATG	TTTCTCTAAA	1740
TTGTCTTGTT	GGTAGAGATG	GAATATTGAT	GGAAACAAC	TACGATGGCT	TAAGTCACCA	1800
GTTGCACCAA	AGATTGTGAT	TAAACATGGG	ATGTGTTTGT	TTTTAGTACT	CAAGATTAAA	1860
ACCTCAATTT	WYMCATTAGA	TATATSATTT	ATTATKAYMM	GATAATCCAT	TTTCAAGTGG	1920
CATACMATAT	GYTCGACTGT	ATGCAGTKTC	TTAAATGAAA	TATCGATTCA	TGTATCATGT	1980
TTAATGTGAT	AATTATTAAAT	GATAAGTATA	ACGTAATTAT	CAAAATTTAT	ATAGTTATGT	2040

CTAACGTTAA	AGTTAGAAAA	ATTAAGTAGC	AAAGACGAAT	TTTAAACAGA	TTTTGATTCA	2100
AGTATAAATT	AAAAGTAAAT	TGATACAAAT	TTTATGATAA	AATGAATTGA	AGAAAAGGAG	2160
GGGCATATAT	GGAAAGTTACA	TTTTTTGGAA	CGAGTGCAGG	TTTGCTTACA	AAAGAGAGAA	2220
ATACACAAGC	AATCGCCTTA	AATTTAGAAC	CATATTCCAA	TTCCATATGG	CTTTTCGACG	2280
TTGGTGAAGG	TACACAGCAC	CAAATTTTAC	ATCATGCAAT	TAAATTAGGA	AAAGTGACAC	2340
ATATATTTAT	TACTCATATG	CATGGCGATC	ATATTTTGG	TTTGCCAGGA	TTACTTTCTA	2400
GTCGTTCTTT	TCAGGGCGGT	GAACAGAAGC	CGCTTACATT	GGTTGGACCA	AAAGGAATTA	2460
AAGCATATGT	GGAAATGTCT	ATGAATTTAT	CAGA			2494

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	400 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

AAATAATCTA	AAAATTGGTA	GTNCTCCTTC	AGATAAAAAT	CTTACTTTAA	CACCATTCTT	60
TTNAACTNNT	TCCGTGTTTC	TTTTTCTAAG	TCCATCCATA	TTTNAATGA	TGTCATCTGC	120
TGTTTTATCT	TTTAAATCTA	ACACTGAGTG	ATAACGGATT	TGTAGCACAG	GATCAAATCC	180
TTTATGGAAT	CCAGTATGTT	CAAATCCTAA	GTTACTCATT	TTATCAAAGA	ACCAATCATT	240
ACCAGCATT	CCTGTAACTC	CGCCATCATG	ATTCAGTAT	TGATATGGTA	AATATGGATC	300
GNTATGTAGG	TATAGNCAAC	GATGTTTTTT	AACATATTTT	GGATAATTCA	TTAAAGNAAA	360
AGTGACGAG	TNCTTGATT	TCATANTCAA	TCACTGGACC			400

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	398 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

TGCGTGAAAT	NACTGTATGG	CNTGCNATCT	GTAAAGGCAC	CAAACCTTTT	AGCTGTTAAA	60
TTTGTAAGT	TCATTATCAT	TACTCCTATT	TGTCTCTCGT	TAATTAATTT	CATTTCCGTA	120
TTTGCAAGTT	TCCTATTTCC	CCTCTGCAAA	TGTCAAAAAT	AATAAATCTA	ATCTAAATAA	180
GTATACAATA	GTAAATGTTA	AACTAAAAC	ATAAACGCTT	TAATTGCGTA	TACTTTTATA	240
GTAATATTTA	GATTTTNGAN	TACAATTTCA	AAAAAAGTAA	TATGANCATT	TGGGTTTGCN	300
CATATTACTT	TTTTNGAAAT	TGTATTCAAT	NTTAAATTC	ACCGTTTTTC	ACTTTTNTCA	360
AACAGTATTC	GCCTANTTTT	TTTAAATCAA	GTAAACTT			398

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	410 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

GTAATGACAA	ATNTAACTAC	AATCGCTTAA	AATATTACAA	AGACCGTGTG	TNAGTACCTT	60
TAGCGTATAT	CAACTTTAAT	GAATATATTA	AAGAACTAAA	CGAAGAGCGT	GATATTTTAA	120
ATAAAGATTT	AAATAAAGCG	TTAAAGGATA	TTGAAAAACG	TCCTGAAAAT	AAAAAAGCAC	180
ATAACAAGCG	AGATAACTTA	CAACAACAAC	TTGATGCAAA	TGAGCAAAAG	ATTGAAGAAG	240
GTAAACGTCT	ACAAGANGAA	CATGGTAATG	AATTACCTAT	CTCTNCTGGT	TTCTNCTTTA	300
TCAATCCATT	TGANGTTGTT	TATTATGCTG	GTGGTACATC	AAATGCATT	CGTCATTTTN	360
CCGGAAGTTA	TGCAGTGCAA	TGGGAAATGA	TTAATTATGC	ATTAAATCAT		410

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	3479 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

AAGCTTCATT	AAAAACTTTC	TTCAATTTAT	CAACATATTC	AATGACGTTA	GCATGTGCGA	60
CACCAACGGA	YTKSAKKTCA	TGATCTCCTA	TAAATTCAGC	AATTTTCCTTT	TTCAAGTATT	120
GGATACTAGA	ATTTTGAGTT	CTCGCATTGT	GCACAAGCTC	TAAGCGACCA	TCATCTAGTG	180
TACCAATTGG	TTTAATTTTC	ATAAGATTAC	CAATCAAACC	TTTTGTTTTA	CTAATTCTGC	240
CACCTTTAAT	TAATTGATTG	AATTGCCCTA	TAACACAAA	TAATTTAATG	TTTTCTCTTA	300
AATGATTAA	CTTTTAACT	ATTTCAGAAG	TTGAGACACC	TTCTTTTACA	AGCTCTACTA	360
GGTGTGTAT	TTGATACCTT	AAACCAAAAG	AAATAGATTT	TGAATCAATA	ACAGTTACAT	420
TAGCATCTAC	CATTGACTT	GCTTGGAAG	CAGTGTATA	TGTACCACTT	AATCCTGAAG	480
AAAGATGAAT	ACTTATGATT	TCAGAGCCAT	CTTTTCCCTAG	TTCTTCATAA	GCAGATATAA	540
ATTCACCTAT	GGCTGGCTGA	CTTGTCTTTA	CATCTTCATC	ATTTTCAATA	TGATTAATAA	600
ATTCTTCTGA	TGTAATATCT	ACTTGGTCAA	CGTATGAAGC	TCCTTCAATA	GTAAACTTTA	660
AAGGAATTAC	ATGWATGTTG	TTTGCTTCTA	ARTATTCTTT	AGATAAATCG	GATGTTGAGT	720
CTGTTACTAT	AATCTGTTTT	GTCATGGTCG	TTTTCCCCCT	TATTTTTTAC	GAATTAATG	780
TAGAAAGGTA	TGTGGAATTG	TATTTTTCTC	ATCTAGTTTA	CCTTCAACTG	AAGAGGCAAC	840
TTCCCACTCT	TCAAAATGAT	AAGGTGGAAA	GAACGTATCA	CCACGGAATT	TACCTTCAAT	900
AACAGTAATA	TACATGTCGT	CCACTTTATC	AATCATTCTT	TCAAATAATG	TTTGCCCTCC	960
AAATATGAAA	ACATGGCCCG	GTAGTTGGTA	AATATCTTCA	ATAGARTGAA	TTACATCAAC	1020
GCCCTCTACG	TTGAAACTTG	TATCTGAAGT	AAGTACAACA	TTTCGACGAT	TCGGTAGTGG	1080
TTTACCAATC	GATTCAAATG	TCTTACGACC	CATTACTAAA	GTATGACCTG	TTGATAATTT	1140
TTTAACATGC	TTCAAATCAT	TTGGTAGGTG	CCAAGGTAAT	TGATTTTCAA	AACCAATTAC	1200
TCGTTGCAAG	TCATGTGCAA	CTAGAATGGA	TAAAGTCATA	ATTATCCTCC	TTCTTCTATC	1260
ATTTCTATTT	TTATTACTAA	GTTATCTTTA	ATTTAACACA	ATTTTATCA	TAAAGTGTGA	1320
TAGAAATAAT	ACTTTTGCAAT	AATTTATGAA	ACAGTTTAAAC	ACAAAAAAGT	ACTTTTTTGC	1380
ACTTGAAAAT	ACTATGATGT	CATTTKGATG	TCTATATGGT	TAGCTAAYTA	TGCAATGACT	1440
ACAMTGCTAT	KGGAGCTTTT	ATKGCTGGAT	GTGATTCATA	GTCAACAATT	TCCAMAATCT	1500
TCATAATTTA	TGTCGAAAAAT	AGACTTGTCA	CTGTTAATTT	TTAATGTTGG	AGGATTGAAG	1560
CTTTACAGTG	CTAATGGTGT	TKCGMATCGC	ATCAATATGA	TTTGAATAAA	TATGTGCATC	1620
TCCAAATGTA	TGCACAAATT	CACCCACTTC	AAGTCCACAT	TTCTTTGGCA	ATAAGGTGTG	1680
TCAATAAAGC	GTAGCYTGCG	ATATTAAATG	GCACACCTAA	AAAGATATCT	GCGCTACGTT	1740
GGTATAACTG	GCAACTTAAC	TTACCATCTT	GGACATAAAA	CTGGAACATG	GTATGACAAG	1800
GCGGAAGTGC	CATTGTATCA	ATTTCTGTTG	GATTCCATGC	AGATACGATG	TGTCGCCTTG	1860
AATCTGATT	ATGCTTAATT	TGTTCAATTA	CTGTTTTAAG	TTGATCAAAA	TGATTACCAT	1920
CTTTATCAAC	CCAATCTCGC	CMATTGTTTA	CCATAAACAT	TTCTTAAATC	CCCGAATTGC	1980
TTTCGCAATG	TATCATCTTC	AAGAATACGT	CGCTTAAATT	GTTTCATTTG	TTCTTTTAT	2040
TGTTTCGTTA	ATTCAGGATC	ACTCAATGCA	ATCTGCCCGA	AATCTGTCTAT	ATCTGGACCT	2100
TTATACTCGT	CTGATTTGAT	ATAATTTTCA	AAAGCCCAT	CGTTCCATAT	ATTATTATTA	2160
TATTTTAATA	AGTATTGGAT	GTTTGTATCT	CCTTTAATGA	ACCATAATAA	TTCCGGTTGCT	2220
ACTAATTTAA	AAGAACTTTT	CTTTGTCTGT	AATAGTGGAA	ATCCTTTAGA	TAAGTCAAAG	2280
CGAAGTTGAT	GACCAAATTT	CGAAATCGTA	CCTGTATTTG	TGCGATCATT	TCGTGTATTT	2340
CCTATTTCTA	AAACTTCTTC	ACAAAGACTG	TGATATGCTG	CATCAAATGA	ATTTCAACAT	2400
ATGCGATAAC	ACCTCATTTT	CATTATTTAT	AGTATGTATA	TTTAGTTTGA	TATAACTTAA	2460
CTTTATGTAG	CATTTTGTTA	TCACTCATTT	TAGGAATATG	ATATTAATAT	CATGAATTCC	2520
GTTACTTTAT	TTATAAAATG	CTGATTAAGT	ACCTACCCCA	TCGTACGTTG	ATATATGTTT	2580
CCAATTGGTA	ATTGTTTACC	CAAATCTATA	ACTTTAATGC	TAAAAAATT	TAAAAAAGAG	2640
GTAAACACAT	GATTTGAATA	TTATGTTTGA	TGTCCTATTA	AAACAGTTAA	ATTTCTAGAA	2700
AATATAGTTG	GTAAAAACGG	ACTTTATTTA	ACAAATAGAA	TACAACATA	TTCTCTATTT	2760
TCAATGACAG	ACACCATTTT	TAATATTATA	AAATGTGTTA	ACCTTTTAT	TTATTTATGT	2820
GTAATATTTA	CAATTTTCGT	CAAAGGCATC	CTTTAAGTCC	ATTGCAATGT	CTATTAATATC	2880
TCTACCTTCG	ATAAATCTC	TAGGCATAAA	ATAAACTAAA	TCTTGACCTT	TGAATAAAGC	2940
ATACGAAGGA	CTAGATGGTG	CTTGCTGAAT	GAATTCTCGC	ATTGTAGCAG	TTGCTTCTTT	3000
ATCTTGCCCA	GCAAAAACCTG	TAAGTGTATT	TGTAGGTCTA	TGTTTCAATTT	GTGTTGCAAC	3060
TGCTACTGCA	GCTGGTCTTG	CTAATCCAGC	TGCACAGCCG	CATGTAGAGT	TAATAACTAC	3120
AAAAGTAGTG	TCATCAGCAT	TTACTTGGTT	CATATACTCC	GATACTGCTT	CGCTCGTTTC	3180
TAACTTGTA	AAACCATTTT	GAGTTAATTC	GCCACGCATT	TGTTGCGCAA	TTCTTTTCAT	3240
ATAAGCATCA	TAYGCATTCA	TATTTAATTC	CTCCAATTAA	ATTGTTCTGT	TTGCCATTTG	3300
TYTCCATACT	GAACCAAGYG	CTTCAYCTCC	GTTTTCAATA	TCGAGATATG	GCCATTTCAA	3360
TTTGTAATTT	AACWTCAAAC	GCMTKGTCAC	KAAATGGGS	WTTTAGKGGC	GGAAGMTGMT	3420
YWGCAWACS	WTCATSAWAG	ATAWACAYAG	CARCAYSCCA	CYTWAYGAKT	TTMWKTGGA	3479

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2875 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

GTGGTTCCCT	GTCATTYTRA	TATCCATCAA	ACCTTTATTA	ATACACGTRG	CTATCGAAGC	60
ATTTTGTAAAT	TGTATTAATG	AAATATGCTT	GAGTYCTCTT	TGTAACCGTT	CAATCATAGG	120
AATTGTTTGA	TCAGTAGAAC	CACCATCAAT	ACAAAGGATT	CTATAGTGTT	CTTTACTCTC	180
AATAGATAAT	AACAATTGTC	GAATTGTTGC	CTCATTATTA	CATGTAGGTA	TGATTATCGT	240
AAACCTCATT	TTGTCACCAT	CTTATCTATA	TATTCTGTGA	GCTGATGTAA	ACTTTTATCA	300
GTATTATACT	TATGCCAATC	TTTAAATAAC	GGACTTAATA	GATGTTCTTT	TTCTTGATC	360
GTCATTATTA	AATCTTCTTC	AGTATACACT	TTGTAGCTAT	CCGGTATTGC	TTTGTAATAA	420
TGATTTCAGGC	CTCTCACCTG	ATCATATGTT	CCTTCATCAT	ACACATAAAA	TATAGTTGGA	480
ATATCTAACA	AGCTAGCTTC	TATTGGCAGC	GAACTATAGT	CGCTAATAAT	TATATCTGAC	540
ATTAGCATTA	ATGTAGACGT	GTCGATTGAA	GACTGTCAT	CAATGTCTGA	ATCTCAATT	600
GATGGATGTA	ATTTATTAAT	CAGTGTATAT	CCTGGTAAAC	ATTTTTCAAA	ATAAGCTTTA	660
TCAATAGCCC	TATTATCTGC	TTTATCTTCT	CTATATGTTG	GTACATATAA	TACCAACTTA	720
TTTGTAATTC	CATATTTATC	CTTTAACTCT	GCCTTAACCG	TTGCTCTATC	AGCTGTGTAA	780
TATTTATTA	TTCTCGGAAG	CCCAAAATAC	AGCATTGTCT	CTTCTGTTGC	ACCTAAAGAC	840
TGTTTTAAAC	ATGTGACAT	TTGTTCAACA	CCCACTAAGT	TAAAAATCCG	TCGCTTGATA	900
AACTTTACGG	TACTGCTGAA	CCATTGCCTT	GTACAGACACA	TCGACTTGAT	GATCTGTAA	960
GCCAAAGTTT	TTAATGCAC	CACTTGCATG	CCACGTTTGA	ACAATGTGTT	TGATTAGAAG	1020
TCTTATTATA	TCCACCTAGC	MATAGGTAAT	AATTATCGAT	AATAATCATC	TGCGCGCTTT	1080
TCAAAGCCTT	AAATTGTTTT	ACCAATGTTC	GATTAGTCAT	TTCTATCACA	TCAACATCGT	1140
CGCTAAGTTC	AGATAAATAA	GGCGCTTGTT	TTGGTGTGTT	TAAAAACAGT	TTCTGATACG	1200
ACGAATTATT	TAATGCTTTG	ATGATAGGCT	TAATATCTTC	TGGAAAAGTC	ATCATAAATA	1260
CGATATGCGG	TTTATCAATC	ACTTGAGGSG	TAWTCATTTW	AGRAAGTATT	CGAACTACCA	1320
AATGATAAAA	TTTCTTTATT	AAAAACGTTT	ATAATAACAC	CAACTTAATA	TGTTATTTAA	1380
CTTAAATTAT	AAACAAAAAT	GAACCCCACT	TCCATTTATT	AATGGTTAGC	GGGGTTTCGT	1440
CATATAAATA	TATTACAAGA	AGTCTGCAAA	TTGATCTCTA	TATTTTCATG	GTWAGTACGC	1500
MCCMATTGCA	AAGAAAAATG	CAACAATACC	GAAATGTAT	AACATTAATT	TCCAATGATC	1560
CATGATAAAT	CATTCTGTAT	ATAAAATTGC	TGCACKKTWT	KATTMAKCWR	TAMRGTMAC	1620
TRGMTKATAT	TTCATCATTK	SATGAATTAA	ACCACTGATA	CCATGGTTCT	TTGGTAGCCA	1680
CAAAATTGGT	GAAAAGTAAA	ATAATATTCT	TAATATTGGC	TTGCATTAAC	ATTTGTGTAT	1740
CTCTAACTAA	CAACACCGAG	TGTTGATGTT	AATAACGTCA	CCGAGGCAGT	TAAGAAAAAA	1800
CAAAACGGTA	CATATATCAA	TAATTGAATG	ATATGTATTG	ATGGATAAAT	ACCAGTAAAC	1860
ATACATGCAA	TTATCACAAG	TAAAAGTAAG	CCTAAATGTC	CATAAAATCT	ACTTGTCACA	1920
ATATATGTCG	GTATTATCGA	TAACGGGAAG	TTCATTTTCG	ATACTTGATT	AAACTTTTGT	1980
GTAATTGCTT	TAGTACCCTC	TAAAATACCT	TGGTTGATGA	AGAACCACAT	ACTGATACCA	2040
ACCAATAACC	AATAAACAAA	AGGTACACCA	TGAATTCGTT	CATTACTTCT	TATTCCTAAT	2100
CCAAAAACCA	TCCAGTAAAC	CATAATTTGC	ATAACAGGGT	TAATTAATTC	CCAAGCCACA	2160
CCTAAATAGT	TACTATGATT	GATAATTTTA	ACTTGAAACT	GAGCCAGTCT	TTGAATTAAA	2220
TAAAAGTTCT	WTASATGTTT	TTTAAAAACT	GTTCCTATTG	CTGACATTCC	ATTAACCAC	2280
ACTTTCAAAT	GTTTAACTAT	TTCTCTAAT	TAACTAAATA	GTATTATAAT	AATTGTTGTA	2340
AATACTATCA	CTAWACATGG	ATGCTATCAA	AATTATTGTC	TAGTTCCTTA	AAATATTAGT	2400
TTATTACAAA	TACATTATAG	TATACAATCA	TGTAAGTTGA	AATAAGTTTA	GTTTTTAAAT	2460
ATCATTGTTA	TCATTGATGA	TAAACATTTT	GTGTCAAAAC	ACCCACTCTG	ATAATAACAA	2520
AATCTTCTAT	ACACTTTACA	ACAGGTTTTA	AAATTTAACA	ACTGTTGAGT	AGTATATTAT	2580
AATCTAGATA	AATGTGAATA	AGGAAGGCTT	ACAAATGAAC	GTTTCGGTAA	ACATTAAAAA	2640
TGTAACAAAA	GAATATCGTA	TTTATCGTAC	AAATAAAGAA	CGTATGAAAG	ATGCGCTCAT	2700
TCCCAAACAT	AAAAACAAAA	CATTTTTTCG	TTTAGATGAC	ATTAGTTTAA	AAGCATATGA	2760
AGGTGACGTC	ATAGGGCTTG	TTGGCATCAA	TGGTTCGGC	AAATCAACGT	TGAGCAATAT	2820
CATTGGCGGT	TCTTTGTCGC	CTACTGTTGG	CAAAGTGGAT	CGACCTGCAG	TCATA	2875

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	453 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CTTAAATAT	TACAAAGACC	GTGTGTNAGT	ACCTTNAGCG	TATATCAACT	TTAATGAATA	60
TATTAAAGAA	CTAAACGAAG	AGCGTGATAT	TTTAAATAAA	GATTTAAATA	AAGCGTTAAA	120
GGATATTGAA	AAACGTCCTG	AAAATAAAAA	AGCACATAAC	AAGCGAGATA	ACTTACAACA	180
ACAACTTGAT	GCAAATGAGC	AAAAGATTGA	NGACGGTAAA	CGTCTACAAG	ANGANCATGG	240
TAATGNTTTA	CCTATCTCTC	CTGGTTTCTC	CTTTATCAAT	CCNTTTGANG	TGTTTTATTA	300
TGCTGGTGGT	ACATCAAATG	CNTTCCGTCA	TTTTNCCGGA	NGTTATGCNG	TGCAATGGGA	360
AATGNTTAAT	TTTGATTAA	ATCATGGCAT	TGNCCGTTAT	AATTNCTATG	GTGTTAGTGG	420
TNAATTTNCA	GNAGGTGCTG	AAGATGCTGG	TGT			453

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	445 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

ATGCTCAGGT	CGATCATACA	TCTATCATCA	TTTAAATTTT	TAAAATACAA	ACTGAATACT	60
TTCCTAGAAT	NTNANACAGC	AATCATTGCT	CATGCATTTA	ATAAATTACA	ATTAGACAAA	120
TATGACATTT	GATATCACAC	ACTTGCAAAC	ACACACATAT	ATAATCAGAC	ATAAATTGTT	180
ATGCTAAGGT	TTATTACCA	AAANTATAAT	ACATATTGGC	TTGTTTTGAG	TCATATTGNN	240
TGANTTANAA	NGTATACTCA	ACTCANTCAT	TTNCAAATNG	GTTGTGCAAT	TCNTATTTNT	300
NTTTCCTTGA	ATCCCTTGTT	AAACTTGTC	TTNATATAT	CATTNTTCGG	GGCTTTATTA	360
AAANNCATNT	NNNACNGNGC	CTATNGNNTC	NNTNACTATN	NGCCCTAACA	TCATTTTCNT	420
CINTTTCTTA	TTTTTTACGG	GATTT				445

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	719 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

GATCRAGGAG	ATCAAGAAGT	GTTTGTGTC	GAATTACAAG	AAATGCAAGA	AACACAAGTT	60
GATAATGACG	CTTACGATGA	TAACGAGATA	GAAATTATTC	GTTCAAAAAGA	ATTCAGCTTA	120
AAACCAATGG	ATTCAGAAGA	AGCGGTATTA	CAAATGAATC	TATTAGGTCA	TGACTTCTTT	180
GTATTCACAG	ACAGAGAAAC	TGATGGAACA	AGTATCGTTT	ACCGCCGTAA	AGACGGTAAA	240
TATGGCTTGA	TTCAAACCTAG	TGAACAATAA	ATTAAGTTTA	AAGCACTTGT	GTTTTTGCAC	300
AAGTGCTTTT	TTATACTCCA	AAAGCAAATT	ATGACTATTT	CATAGTTCTGA	TAATGTAATT	360
TGTTGAATGA	AACATAGTGA	CTATGCTAAT	GTTAATGGAT	GTATATATTT	GAATGTTAAG	420
TTAATAATAG	TATGTCAGTC	TATTGTATAG	TCCGAGTTTC	AAAATCGTAA	AATATTTATA	480
ATATAATTTA	TTAGGAAGTT	ATAATTGCGT	ATTGAGAATA	TATTTATTAG	TGATAAACTT	540
GTTTGACACA	GAATGTTGAA	TGAATTATGT	CATAAATATA	TTTATATTGA	TCTACCAATG	600
AGTAAATAAN	TATAATTTCC	TAATAATAAA	TGATAAGANA	TATGTTGTNG	GCCCAACAGT	660
TTTTTGCTAA	AGGANCGAAC	GAATGGGATT	TTATCCAAAA	TCCTGATGGC	ATAATAAGA	719

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	949 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

CTTTACCATC	TTCAGCTGAA	ACGTGCTTCG	CTTCACCAAA	CTCTGTTGTT	TTTTACGTT	60
CAATATTATC	TTCAACTTGT	ACTACAGATT	TTAAAATGAA	TTTACAAGTA	TCTTCTTCAA	120
TATTTTGCAT	CATGATATCA	AATAATTCAT	GACCTTCATT	TTGATAGTCA	CGTAATGGAT	180
TTTGTGTGTC	ATAAGAACGT	AAGTGAATAC	CTTGACGTAA	TTGATCCATT	GTGTTCGATAT	240
GATCAGTCCA	ATGGCTATCA	ATAGAACGAA	GTAAAATCAT	ACGCTCAAAC	TCATTCAATTT	300
GTTCTTCTAA	GATATCTTTT	TGACTTTGAT	ATGCTGCTTC	AATCTTAGCC	CAAACGACTT	360
CGAAAATATC	TTCAGCATCT	TTACCTTTGA	TATCATCCTC	TGTAATGTCA	CCTTCTTGTA	420
AGAAGATGTC	ATTAATGTAG	TCGATGAATG	GTTGATATTC	AGGCTCGTCA	TCTGCTGTAT	480
TAATATAGTA	ATTGATACTA	CGTTGTAACG	TTGAACGTAG	CATTGCATCT	ACAACCTTGAG	540
AGCTGTCTTC	TTCATCAATA	ATACTATTTT	TTTCGTTATA	GATAATTTCA	CGTTGTTTAC	600
GTAATACTTC	ATCGTATTCT	AAGATACGTT	TACGCGCGTC	GAAGTTATTA	CCTTCTACAC	660
GTTTTTGTGC	TGATTCTACA	GCTCTTGATA	CCATTTTTGA	TTCAATTGGT	GTAGAGTCAT	720
CTAAACCTAG	TCGGCTCATC	ATTTTCTGTA	AACGTTTACA	ACCAAACGCA	AATCATTAAT	780
TCATCTTGTA	ATGATAAATA	GAAGCGACTA	TCCCCTTTAT	CACCTTGACG	TCCAGAACGA	840
CCACGTAAC	GGTCATCAAT	ACGACGAAGA	TTCATGTCGC	TCTGTACCTA	TTACTGCTAA	900
ACCGCCTAAT	TCCTCTACGC	CTTCACCTAA	TTTGATATCT	GTACCACGA		949

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	594 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

GGGGATCAAT	TTANAGGACG	TACAATGCCA	GGCCGTCGTT	NCTCGGAAGG	TTTACACCAA	60
GCTATTGAAG	CGAGGAAAGG	CGTTCAAATT	CAAAATGAAA	TCTAAAACCTA	TGGCGTCTAT	120
TACATTCCAA	AACGTATTTCA	GAATGTACAA	TAAACTTGCG	GGTATGACAG	GTACAGCTAA	180
AACTGAAGAA	GAAGAATTTA	GAAATATTTA	TAACATGACA	GTAACCTCAA	TTCCGACAAA	240
TAAACCTGTG	CAACGTAACG	ATAAGTCTGA	TTTAATTTAC	ATTAGCCAAA	AAGGTAAATT	300
TGATGCAGTA	GTAGAAGATG	TTGTTGAAAA	ACACAAGGCA	GGGCAACCMG	TGCTATTAGG	360
TACTGTTGCA	GTTGAGACTT	CTGTATATAT	TTCAAATTTA	CTTAAAAAAC	GTGGTATCCG	420
TCATGTGTG	TTAAATGCGA	RAAATCATGA	MCGTGAAGCT	GAAATTGTTG	CAGGCGCTGG	480
RCAAAAAGGT	GCCGTTACTA	TTGCCACTAM	CATGGCTGGT	CGTGGTACAG	ATATCAAATT	540
AGGTGAAGGC	GTTANAANGA	AATTAGGCGG	TTTANCCAGT	AATANGTTCA	GAAG	594

(2) INFORMATION FOR SEQ ID NO: 14:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2192 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

GCATGMCTGC	AGGTCGATCY	SYTGAACAGT	CATCAACTAC	AACCACTTCA	AATTCAGTTT	60
TCGGAAAATC	TTGTTTCGCA	AGGCTATTAA	GTAATTCTGT	TATATACTTT	TCTGAATTGT	120
ATGTTGGAAC	TATTACTGAA	AATTTTCATCA	TTATACCTCT	CCCACTTTGA	CTACTATATA	180
AACTTAGCTA	CCAAATAAAT	TTCTGACTAA	ACGCTCACTT	GATCGGCCAT	CTTGATATTT	240
AAAATGTTTA	TCTAAGAATG	GAATGACTTT	TTCTCCTTCA	TAATCTTCAT	GTGCCAAGGC	300
GTCCATTAAT	GCGTCAAATG	ATTGCACAAT	TTTACCTGGA	ACAAATGATT	CATATGGTTC	360
ATAAAAATCA	CGCGTCGTAA	TATAATCTTC	TAAATCAAAT	GCATAGAAAA	TCATTGGCTT	420
TTTAAATACT	GCATATTCAT	ATATTAAAGA	TGAATAGTCA	CTAATTAATA	AATCTGTTAT	480
GAACAGTATA	TCATTAACCT	CTCTAAAGTC	AGAAACGTCA	ACAAAATATT	GTTTATGTTT	540
GTCTGCAATA	TTAAGTCTAT	TTTTACAAAA	TGGATGCATT	TTAAATAATA	CAACCGCGTT	600
ATTTTTTTTCG	CAATATCTTG	CTAAACGTTT	AAAATCAATT	TGAAAAAATG	GGTAATGTGC	660
TGTACCATGA	CCACTACCTC	TAAATGTTGG	TGCGAAAAGA	ATGACTTTCT	TACCTTTAAT	720
AATTGGTAAT	TCATCTTCCA	TCTCTTGTTT	GATCTGTGTC	GCATAAGCTT	GACAAAATAG	780
TACATCAGTA	CGTTGGGAAC	ACCTGTAGGC	ACTACATTTT	TCTCTTTAAT	ACCAAATGCT	840
TCAGCGTAGA	ATGGAATATC	GGTTTCAAGA	TGATACATAA	GCTTTTGTAT	AAGCTACGGA	900
TGATTTAATG	AATCAATAAA	TGGTCCACCC	TTTTTACCAG	TACGACTAAA	GCCAACTGTT	960



TTAAAGGCAC	CAACGGCATG	CCATACTTGA	ATAACTTCTT	GAGAACGTCT	AAAACGCACT	1020
GTATAAATCA	ATGGGTGAAA	GTCATCAACA	AAGATGTAGT	CTGCCTTCCC	AAGTAAATAT	1080
GGCAATCTAA	ACTTGTCTGAT	GATGCCACGT	CTATCTGTAA	TATTCGCTTT	AAAAACAGTG	1140
TGAATATCAT	ACTTTTATC	TAAATTTTGA	CGTAACATTT	CGTTATAGAT	GTATTCAAAG	1200
TTTCCAGACA	TCGTTGGTCT	AGAGTCTGAT	GATTGAACACA	CCGTATTCCC	TTTTTTCAAG	1260
TGGAAAAATT	TCGTCGTATT	AAATATCGCT	TTAAAAATAA	ATTGTCTTGT	ATTAAATGAT	1320
TGTTTGCGGA	AATACTTACG	TAATTCTTTA	TATTTACGRA	CGATATAAAT	ACTTTTAAMT	1380
TCCCGGAGTC	GTTACAACAA	CATCAAGGAC	AAATTCATTA	ACATCGCTAG	AAATTCAGG	1440
TGTAACAGTA	TAAACCGTTT	TCTTTCGAAA	TGCCGCCTTT	TCTAAATTCT	TTTAGGTAAG	1500
TCTGCAATAA	GAAATTGATT	TTACCATTTT	GTGTTTCTAA	TTCGYTGTAT	TCTTCTTCTT	1560
GTTCTGGCTT	TAGATTTTGA	TATGCATCAT	TAATCAACAT	CTGGGTTTTAA	CTGTGCAATA	1620
TAATCAAGTT	CTTGCTCATT	CACTAATAAG	TACTTATCTT	CAGGTAAGTA	ATAACCATTA	1680
TCTAAGATAG	CTACATTGAA	ACGACAAACG	AATGTATTCC	CATCTATTTT	GACATCATTC	1740
GCCTTCATTG	TACGTGTCTC	AGTTAAATTT	CTTAATACAA	AATTACTATC	TTCTAAATCT	1800
AGGTTTTTAC	TATGTCCTTC	AACGAATAAC	TGAACACGTT	CCCAATAGAT	TTTAYCTATA	1860
TATATCTTAC	TTTAAACCAA	CGTTAATTCA	TCCTTTTCTA	TTTACATAAT	CCATTTTAAT	1920
ACTGTTTTAC	CCCAAGATGT	AGACAGGTCT	GCTTCAAAAG	CTTCTGTAAG	ATCATTAATT	1980
GTTGCAATTT	CAAATTCTTG	ACCTTTTAAA	CAACGCGTAA	TTTATCTAAC	AATATCTGGG	2040
TATTGAATGT	ATAAGTCTAA	CAACATCTTG	GAAATCTTTT	GAACCACTTC	GACTACTACC	2100
AATCAACGTT	AGTCCTTTT	CCAATACTAG	AACGTGTATT	AACCTTCTACT	GGGAACCTCAC	2160
TTACACCTAA	CAGTGCAATG	CTTCCTTCTG	GT			2192

(2) INFORMATION FOR SEQ ID NO: 15:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2431 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

ATGCAGGTCG	ATCNCCTNGT	TTATTCNGNT	TCATCATTTT	CCGATAAATA	CTGTAAATAT	60
GNNTAGGTCT	ACCATTTATA	TCGCCTTCGA	TATTCATTCTG	GTCCATTTC	GTACGTATTC	120
TATCAATAGC	CGTTTCGATA	TACGCTTCAC	GTTCACCTACG	TTTCTTCTTC	ATTAATTTGA	180
CTATTCTAAA	ATATTGCACA	TTATCAATAT	AACGAAGAGC	CGKATCTTCT	AGTTCCCATT	240
TGATTGTATT	AATACCAAGA	CGATGTGCTA	ATGGTGCATA	AATTTCTAAT	GTTTCTCGAG	300
AAATTCTAAT	TTGKTTTTTCG	CGCGGSATGG	STTTCAAGGT	ACGCATATTA	TGTAATCTGT	360
CTGCTAATTT	CAMCAAAAT	ACGCGTACAT	CTTTGGCAAT	CGCAATAAAT	AACTTGSAT	420
GATTTTCAGC	TTGTTGTCT	TCTTTTGAGC	GGTATTTTAC	TTTTTTAAGC	TTTCGTACAC	480
CATCAACAAT	TCGAGCAACT	TCTTCATTGA	ACATTTCTTT	TACATCTTCA	AATGTATACG	540
GTGTATCTTC	AATTACATCA	TGCAAAAAAC	CTGCGACAAT	CGTCGGTCCG	TCTAATCGCA	600
TTTCTGTAA	AATACCTGCA	ACTTGTATAG	GATGCATAAT	GTATGGTAAT	CCGTTTTTTC	660
GGAACTGACC	TTTATGTGCT	TCATAAGCAA	TATGATAGCT	TTTTAAAACA	TACTCATATT	720
CATCTGTGTA	CAAATATGAT	TTTGCTTTGT	GAAGAACCTC	GTCTGCACCTA	TATGGATATT	780
CGTTGTTCAT	TATATGATAC	ACCCCATTC	TATTTATTAC	TTTCGCTTTA	AACAATGGAT	840
TTAGGTACTC	TTGTTGAATA	GTATTTGTCC	CACACCAATC	ATACGTCCGT	CGACGATAAA	900
TATTTATCCT	GTCGTGCATT	AATCGTAATA	TTAATTTTAC	TTGAGCGAGT	TTAATTTGTA	960
TACTATCCCT	ACTTTTAAAA	CTTTTACAAA	AATTCGACCT	AAATCTACTG	TTTCATTTTT	1020
TAAATATTAG	TTCTATGATA	CTACAATTTA	TGARATAAAT	AAACGAWGTT	ATTAAGGTAT	1080
AATGCTCMAT	CATCTATCAT	TTTCAGTAAA	TAAAAAATCC	AACATCTCAT	GTAAAGAAAA	1140
CTTAAACAAC	TTTTTTAATT	AAATCATTTG	TYCTTGWACA	TTTGATRGAA	GGATTTTCATT	1200
TGATAAAATT	ATATTATTTA	TTATTCGTCTG	TATGAGATTA	AACTMATGGA	CATYGTAAATY	1260
TTAAAWAKTT	TTTMAATACC	AWTTAAAWKA	TTTCAATTCA	AATTATAAAW	GCCAATACCT	1320
AAYTACGATA	CCCGCCTTAA	TTTTTCAACT	AATTKTATKG	CTGYTCAATC	GTACCACCAG	1380
TAGCTAATAA	ATCATCTGTA	ATRRRSACAG	TTGACCTGGK	TTAATTGCAT	CTTKGTGCAT	1440
TGTYAAAAACA	TTTGTACCAT	ATTCTAGGTC	ATAACTCATA	ACGAATGACT	TCACGAGGTA	1500
ATTTCCCTTC	TTTTCTAACA	GGTGCAAAAGC	CAATCCCCAT	KGAATAAGCT	ACAGGACAGC	1560
CAATGATAAA	GCCAACGSGC	TTCAGGTCCW	ACAACGATAT	CAAACATCTC	TGTCTTTTGC	1620
GTATTCWACA	ATTTTATCTG	TTGCATAGCC	ATATGCTTCA	CCATTATCCA	TAATTGTAGT	1680
AATATCCTTG	AAACTAACAC	CTGGTTTCGG	CCAATCTTGA	ACTTCTGATA	CGTATTGCTT	1740
TAAATCCATT	AAATTTTCCT	CCTAAATTGC	TACACGAAAT	TGTGACTTTA	TCCAATTTTT	1800
TATTTCTGAA	AAATCTTGAT	ATAATAATTG	CTTTTCAACA	TCCATACGTT	GTTGTCTTAA	1860
TTGATATACT	TTGCTGGAAT	CAATCGATCT	TTTATCAGGT	TGTTGATTGA	TTTCAATTAA	1920
ACCATCTTCT	TGTGTTACAA	ATTTTAAAGT	TAAGAAAACT	TTCAACATGA	ATTTAAGTGT	1980
ATCTGGTTTC	ACACTTAAAT	GTTGACACAA	TAAACATACC	TCTTTCTGGA	TATTTGTTTC	2040
TTGTTTAGTT	ATTAATGCTT	TATAACACTT	TTTAAAAATA	TCCATATTAG	GTATACCATC	2100
GAAGTAAATC	GAATGATTAT	GTTGCAAAAC	TATAKAAAGW	TGAGAAAAAT	GCAGTTGTTG	2160



CAAGGAATTA	GACAAGTCTT	CCATTGACGT	TGGTAAATCT	CTTAATACTA	CTTTATCAGT	2220
TTGTTGTTTA	ATTTCTTCAC	CATAATAATA	TTCATTGCGA	TTTACTTTAT	CACTTTTAGG	2280
ATGAATAAGC	ACGACAATAT	TTTCATCATT	TTCTGTAAAA	GGTAAACTTT	TTGCGTTACT	2340
TCTATAATCT	AATATTTGCT	GTTTATTTCAT	CGCAATATCT	TGAATAATTA	TTTGCGGTGA	2400
TTGATTACCA	TTCCATTTCG	TGATTTGAAC	A			2431

(2) INFORMATION FOR SEQ ID NO: 16:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2018 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:

GCATCAGTTG	GTACTTTAAA	TAAATGTGCA	GTACCAGTCT	TAGCAACATT	TACAGTTGCT	60
AATTCAGTAT	TTTTCTTAGC	ATCTTTAATA	ACTAAATTTG	TTGCACCTTG	CTTACTATTC	120
GTTTGCATAG	TAGTAAAGTT	AATAATTAAT	TCTGAATCTG	GTTTTACATT	TACAGTTTTT	180
GAAATACCGT	TAAAGTTACC	ATGATCTGTA	GAATCATTTG	CATTACACAG	ACCTAATGCA	240
GCCACGTTTC	CTTTAGCTTG	ATAGTTTTGA	GGGTTATCT	TATCAAACAT	ATCGCTTCGT	300
CTTAATCTCG	AGTTAACGAA	ACCAATCTTA	CCGTTGTAA	TTAATGAATA	ACCATTTACT	360
TTATCTGTAA	CAGTTACAGT	TGGATCCTGT	CTATTCTCAT	CTGTTGATAT	GGCAGGATCA	420
TCAAATGTTA	ATGTCGTATT	AATACTGCCT	TCACCAGTAT	TGCTAGCATT	TGGATCTTGA	480
GTTTGTGCGT	TTGCTGCTAC	AGGTGCTGCT	GGTTGCGCTG	CTGCTGGANC	ATTCGCTGGC	540
TGTGTTTGAT	TTGCCGGTGT	TGCATTATTA	TWAGGTGTTG	CTTGTTTATT	TCCTTGACCT	600
GCTTGGTWTG	CCGGTGTTCG	TTGATTTCCA	GGTTGTGCAT	GTGCAACGTT	ATTCGGATCA	660
GCTTGTATCAC	CTTGTCCAGC	TGGTTGTGTA	TTTGGTTGTG	CTGCTCCTCC	TGCTGGATTA	720
GCCTGTCCAC	CTTGGTTTGC	TGGTTGTACT	GCTGGTTGTC	CTTGGTTGGC	AGGTGCAGCT	780
GGCTGTGCTG	TAGGATTAGC	TTGAGCACCA	GCATTTGCGT	TAGGCTGTGT	ATTGGCATCA	840
GCTGGTTGTG	CTGGTTGATT	TTGTGCAGGC	TGATTTTGCT	CTGCTGCAKA	CGCTGTTGTC	900
GGGTTAGTAG	ATATAAAAGT	AACAGTGGCA	ATTTAAAGCTG	AAAAAATACC	GACATTAAAT	960
TTTCTGATAC	TAAATTTTTG	TTGTCTGAAT	AAATTCATTA	AGTCATCCTC	CTGGTTGATT	1020
ATTCTCGCTG	TAAATGATT	TCACTTAATC	AACGTGTTAAG	ATAAGTAGTA	GCATCTGCGT	1080
TAAAAACACA	AAGCAACTCT	ATCTAATTA	AATTAATTTT	ATCATCATTA	TATATTGAGT	1140
ACCAAGTGAT	TTATATTAT	ATATTGATTA	CTTTGTTTTT	ATTTTGTTTA	TATCATTTTTA	1200
CGTTTGTACT	ATAAATTATT	TCTACAAACA	CAAAAAACCG	ATGCATACGC	ATCGGCTCAT	1260
TTGTAATACA	GTATTTATTT	ATCTAATCCC	ATTTTATCTT	GAACCACATC	AGCTATTTGT	1320
TGTGCAAATC	TTTCAGCATC	TTTCATCAGT	GCTGCTTCAA	CCATGACACG	AACTAATGGT	1380
TCTGTTCCAG	AAGGTCTTAC	TAAAATTGCA	CCTTCTCCAT	TCATTTCTAC	TTCTACTTTA	1440
GTCATAACTT	CTTTAACGTC	AACATTTTCT	TCAACACGAT	ATTTATCTGT	TACGCGTACG	1500
TTAATTAATG	ATTGTGGATA	TTTTTTTCATT	TGTCCAGCTA	ATTCACCTAG	TGATTTACCA	1560
GTCATTTTTA	TTACAGAAGC	TAATTGAATA	CCAGTTAATA	AACCATCACC	AGTTGTATTG	1620
TAATCCAYCA	TAACGATATG	TCCARATKGT	TCTCCACCTA	AGTTATAATT	ACCGCGAMGC	1680
ATTTCTTCTA	CTCATATCT	GTCGCCAACT	TTAGTTTTAT	TAGATTTAAT	TCCTTCTTGT	1740
TCAAGCGCTT	TGTAAAAACC	TAAATTACTC	ATAACAGTAG	AAAACGAATC	ATGTCATTAT	1800
TCAATTCCTG	ATTTTATGTC	ATTTCTTGAC	CAATAATAAA	CATAATTTGG	TCACCGTCAA	1860
CGATTTGACC	ATTCTCATCT	ACTGCTATGA	TTCTGTCTCC	ATCGCGTCA	AATGCTAACC	1920
CAAAATCACT	TTCAGTTTCA	ACTACTTTTT	CAGTAATTT	TCAGGATGTG	TAAAGCCACA	1980
TTTCTCATTG	ATATTATATC	CATCAGGGAC	TACATCCA			2018

(2) INFORMATION FOR SEQ ID NO: 17:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2573 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

ATTGAGACTC	GGTACCCGKG	GATCCTSYAG	AGTCGATCCG	CTTGAAACGC	CAGGCACTGG	60
TACTAGAGTT	TTGGGTGGTC	TTAGTTATAG	AGAAAGCCAT	TTTGCAATTG	AATTACTGCA	120
TCAATCACAT	TTAATTTCCCT	CAATGGATTT	AGTTGAAGTA	AATCCATTGA	TTGACAGTAA	180
TAATCATACT	GCTGAACAAG	CGGTTTCATT	AGTTGGAACA	TTTTTTGGTG	AAACTTTATT	240
ATAAATAAAT	GATTTGTAGT	GTATAAAGTA	TATTTTGCTT	TTTGCACTAC	TTTTTTTAAT	300

TCCTAAAAAT	GATTAAGAGT	AGTTATAATC	TTTAAAAATA	TTTTTTTCTA	TTTAAATATA	360
TGTTTCGTATG	ACAGTGATGT	AAATGATTGG	TATAATGGGT	ATTATGGAAA	AATATTACCC	420
GGAGGAGATG	TTATGGATTT	TTCCAACTTT	TTTCAAAACC	TCAGTACGTT	AAAAATTGTA	480
ACGAGTATCC	TTGATTACTT	GATAGTTTGG	TATGTACTTT	ATCTTCTCAT	CACGGTCTTT	540
AAGGGAACTA	AAGCGATACA	ATTACTTAAA	GGGATATTAG	TAATTGTTAT	TGGTCAGCAG	600
ATAATTWTGA	TATTGAACCT	GAATGCMACA	TCTAAATTAT	YCRAWWYCGT	TATTCMATGG	660
GGGGTATTAG	CTTTAANAGT	AATATTCCAA	CCAGAAATTA	GACGTGCGTT	AGAACAACCT	720
GGTANAGGTA	GCTTTTTAAA	ACGCNATACT	TCTAATACGT	ATAGTAAAGA	TGAAGAGAAA	780
TTGATTCAAT	CGGTTTCAAA	GGCTGTGCAA	TATATTGGCTA	AAAGACGTAT	AGGTGCATTA	840
ATTGTCTTTG	AAAAAGAAAC	AGGTCTTCAA	GATTATATTG	AAACAGGTAT	TGCCAATGGA	900
TTCAAAATATT	TCGCAAGAAC	TTTTAATTAA	TGTCTTTATA	CCTAACACAC	CTTTACATGA	960
TGGTGCAAKG	ATTATTCAAG	GCACGAARAT	TGCAGCAGCA	GCAAGTTATT	TGCCATTGTC	1020
TGRWAGTCC	AAGATATCTA	AAAGTTGGGT	ACAAGACATA	GAGCTGCGGT	TGCTTTTCA	1080
GAAGTTATCT	GATGCATTTA	CCGTTATTGT	ATCTGAAGAA	ACTGGTGATA	TTTCGGTAAC	1140
ATTTGATGGA	AAATTACGAC	GAGACATTTT	AAACCGAAAT	TTTTGAAGAA	TTGCTTGCTG	1200
AACATTGGTT	TGGCACACGC	TTTCAAAAGA	AAGKKKTGAA	ATAATATGCT	AGAAAKTAAA	1260
TGGGGCTTGA	GATTATTGCT	CTTTCTTTTT	GGCATTTGTT	TTCTTTTTAT	CTGTTAACA	1320
TGTTTTTGGG	AATATTCTTT	AAACACTGGT	AATTTCTGGT	CAAAAGTCTA	GTAAACGGA	1380
TTCAAGATGT	ACCCGTTGAA	ATTCTTTATA	ACAACATAAG	ATTTGCATTT	AACAAAAGCG	1440
CCTGAAACAG	TTAATGTGAC	TATTTTCAGGA	CCACAATCAA	AGATAATAAA	AATTGAAAA	1500
CCAGAAGATT	TAAGAGTAGT	GATTGATTTA	TCAAATGCTA	AAGCTGGAAA	ATATCAAGAA	1560
GAAGTATCAA	GTTAAAGGGT	TAGCTGATGA	CATTCAATTAT	TCTGTAAAAC	CTAAATTAGC	1620
AAATATTACG	CTTGAAAAACA	AAGTAACTAA	AAAGATGACA	GTTCAACCTG	ATGTAAGTCA	1680
GAGTGATATT	GATCCACTTT	ATAAAATTAC	AAAGCAGAAA	GTTTCACCAC	AAACAGTTAA	1740
AGTAACAGGT	GGAGAAGAAC	AATTGAATGA	TATCGCTTAT	TTAAAAGCCA	CTTTAAAAAC	1800
TAATAAAAAAG	ATTAATGGTG	ACACAAAAGA	TGTCGCAGAA	GTAACGGCTT	TTGATAAAAA	1860
ACTGAATAAA	TTAAATGTAT	CGATTCAACC	TAATGAAGTG	AATTTACAAG	TTAAAGTAGA	1920
GCCTTTTAGC	AAAAAGGTTA	AAGTAAATGT	TAAACAGAAA	GGTAGTTTRS	CAGATGATAA	1980
AGAGTTAAGT	TCGATTGATT	TAGAAGATAA	AGAAATTGAA	TCTTCGGTAG	TCGAGATGAC	2040
TTMCAAAAATA	TAAGCGAAGT	TGATGCAGAA	GTAGATTTAG	ATGGTATTTT	AGAATCAACT	2100
GAAAAGACTG	TAAAAATCAA	TTTACCAGAA	CATGTCCTA	AAGCACAACC	AAGTGAACG	2160
AAGGCTTATA	TAAATGTAAT	ATAAATAGCT	AAATTAAAGG	AGAGTAAACA	ATGGGAAAA	2220
ATTTTGGTAC	AGACGGAGTA	AGAGGTGTCT	CAAACCAAGA	ACTAACACCT	GAATTGGCAT	2280
TTAAATTAGG	AAGATACGGT	GGCTATGTTT	GTGCTAATCT	ATAACACGTT	CTGTTCAAAC	2340
GTGTACTTGT	AGGTCGCGAT	ACTAGAGTTT	CAGGTGAAAT	GTTAGAATCA	GCATTAATAG	2400
CTGGTTTGAT	TTCAATTGGT	GCAGAAGTGA	TGCGATTAGG	TATTATTTCA	ACACCAAGTG	2460
TTGCATATTT	AACACGCGAT	ATGGGTGCGA	AGTTAGGTGT	AATGATTTCA	GCCTCTCATA	2520
ATCCAGTTGC	AGATAATGGT	ATTAAATTCT	TTGSCTCGAC	CNCCNNGCTN	GCA	2573

(2) INFORMATION FOR SEQ ID NO: 18:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1962 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

GTGCTTCCAC	CAATACGTTT	CACCATATGG	AGGATTTCCA	ATTAACGCCA	CCGTTTCTTC	60
TGTATCAATT	GTAAATGTAT	TGACATCTTT	TACACTAAAT	TTAATAATAT	CAGACAACCC	120
AACTTCTTCA	GCGTTACGCT	TAGCAATCTC	TACCATTCTT	GGATCGATAT	CAGAAGCATA	180
TACTTCGATT	TCTTTATCAT	AATCAGCCAT	CTTATCCGCT	TCATCACGGT	AATCATCATA	240
AATATTTGCT	GGCATGATGT	TCCATTGCTC	TGATACGAAC	TCGCGATTAA	AACCAGGTGC	300
GATATTTTGA	GCAATTAAAC	AAGCTTCTAT	AGCTATTGTA	CCCGAACCGC	AAAATGGATC	360
AATTAAAGGT	GTATCACCTT	TCCAGTTTGC	AAGACGGATT	AAACTTGCTG	CCAACGTTTC	420
TTTAATTGGT	GCTTCACCTT	GTGCTAATCT	ATAACACGTT	CTGTTCAAAC	CAGAACCCTGA	480
TGTGTCGATA	TGCAATAATA	CATTATCTTT	TAAAATGGCA	ACTTCAACAG	GGTATTTGGC	540
ACCTGATTCA	TTTAACCAAC	CTTTTTCGTT	ATATGCGCGA	CGTAATCGTT	CAACAATAGC	600
TTTCTTAGTT	ATCGCCTGAC	AATCTGGCAC	ACTATGTAGT	GTTGATTTAA	CGCTTCTACC	660
TTGAAGTGGG	AAGTTACCCT	CTTTATCAAT	TATAGATTCC	CAAGGGAGCG	CTTTGGTTTG	720
TTCGAATAAT	TCGTCAAACG	TTGTTGCGTW	AAAACGTCCA	ACAACAATTT	TGATTCGGTC	780
TGCTGTGCGC	AACCATAAAT	TTGCCTTTAC	AATTGCACTT	GCGTCTCCTT	CAAAAAATAT	840
ACGACCATTT	TCAACATTTG	TTTCATAGCC	TAATTCTTTA	ATTTCCCTAG	CAACAACAGC	900
TTCTAATCCC	ATCGGACAAA	CTGCAAGTAA	TGAAACATA	TATGATTCTC	CTTTTATACA	960
GGTATTTTAT	TCTTAGCTTG	TGTTTTTTAT	ACATTTCCAA	CAAATTTAAT	CGCTGATACA	1020
TTAACGCATC	CGCTTACTAT	TTTAAACAA	GGCAGTGTCA	TTATATCAAG	ACAAGGCGTT	1080
AATTTTAAGT	GTCTTCTTTY	CATGAAAAAA	GCTCTCCMTC	ATCTAGGAGA	GCTAAACTAG	1140

TAGTGATATT	TCTATAAGCC	ATGTTCTGTT	CCATCGTACT	CATCACGTGC	ACTAGTCACA	1200
CTGGTACTCA	GGTGATAACC	ATCTGTCTAC	ACCACTTCAT	TTCGCGAAGT	GTGTYTCGTT	1260
TATACGTTGA	ATTCCGTTAA	ACAAGTGCTC	CTACCAAATT	TGGATTGCTC	AACTCGAGGG	1320
GTTTACCGCG	TTCCACCTTT	TATATTTCTA	TAAAAGCTAA	CGTCACTGTG	GCACTTTCAA	1380
ATTACTCTAT	CCATATCGAA	AGACTTAGGA	TATTTTCATTG	CCGTCAAATT	AATGCCTTGA	1440
TTTATTGTTT	CAYCAAGCRC	GAACACTACA	ATCATCTCAG	ACTGTGTGAG	CATGGACTTT	1500
CCTCTATATA	ATATAGCGAT	TACCCAAAAT	ATCACTTTTA	AAATTATAAC	ATAGTCATTA	1560
TTAGTAAGAC	AGTTAACTT	TTGTATTTAG	TAATTATTTA	CCAAATACAG	CTTTTTCTAA	1620
GTTTGAAATA	CGTTTTAAAA	TATCTACATT	ATTTGAAGAT	GTATTTGTTG	TTGTATTATT	1680
CGAAGAAAAA	CTTTTATTGT	CCTGAGGTCT	TGATGTTGCT	ACACGTAGTC	TTAATTCCTC	1740
TAATTCCTTT	TAAAGTTTAT	GATTCTCTTC	TGATAATTTT	ACAACCTTCAT	TATTCATATC	1800
GGCCATTTTT	TGATAATCAG	CAATAATGTC	ATCTAAAAAT	GCATCTACTT	CTTCTCTTCT	1860
ATAGCCACGA	GCCATCGTTT	TTTCAAAATC	TTTTTCTATA	ATATCTTTTG	CTGATAATTT	1920
CAATGAAACA	TCTGACATTT	TTTCCACCTC	ATTAGAAACT	TT		1962

(2) INFORMATION FOR SEQ ID NO: 19:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	5253 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:

TAAC TGACT	ACWACCGCCA	ACTRAGTATT	GAATTGTTTT	AACATGCTTT	TCCTGTTTTA	60
AATATTTTTA	AACATCTTTC	GCATGATTCA	ACACTGCTTG	CTCCGTTTCA	CCAGGCTTCG	120
GTGTATAAGT	AATAGCTAAA	AATTTATCGT	CACCTGCTGA	AATAAAGCTA	GTGCCCTAGTC	180
TCGGTCCTCC	AAATACAATA	GTTGCAACCA	AAATTAATGT	ACTTAATATA	ATTWCAATCC	240
ACTTATGATT	TAATGACCAA	TGTAATACTT	TTTTATAAGT	TGTAATAACA	ACACCTAATC	300
CTTCTTGATG	TTGTTTATTA	CGACGTTTAA	CGCCTTTTTT	AAATAGTGTA	GCTGCCAACG	360
CTGGAACGAG	TGTAATTGAC	ACTAATAACG	ATGCTATAAA	ACTAAATGCA	ATAGCCAATG	420
CAAAAGGTCT	AAACATTTTCG	CCTACTGAAC	CTGATACAAA	CACAAGTGGT	AAGAAGACGA	480
TAATAGKAAC	TAGTGTGCGAT	GRCATTATTG	GTTTAAATAC	TTCAGTTGTC	GCACTGATAA	540
TTAAATTTTC	ACCTTTTAGT	TGGTCTCTCT	GAATCTGTTA	AGCGTCGATA	AATATTTTCA	600
MCAACTATCA	TCGAATCGTC	TATCACACGT	CACATCGCTA	CTGTTAATGC	ACCTAACGTT	660
AGTATATTCA	ATGAMACATC	ACTCAATTTT	AGAGCAATAA	GCGSCATAAG	AAGTGATAAC	720
GGMATCGATA	TMATAGAAAT	TGCCGTCGTA	CGAATGTTTC	TTAAAAACAG	CAAAATAACT	780
ATAATTGCCA	CGRATTGTAC	CTAATGATGC	TTTTTCAACC	ATCGTATAAA	GTGATTTCTC	840
AACAGGCTTT	GCAGTATCCA	TTGTTTTTGT	GACATATAAA	TCTTTATTTT	CATCAACGAA	900
TGTATCAATT	TTACGTTGTA	CATCTTTGGC	TACTTGAAC	GTATTGGCAT	CTTGAGCTTT	960
AGTTATTTGT	AGATTAACCG	CATCCTTTCC	ATTCGTTTTA	GAAATAGAAG	TACGCACATC	1020
ACCAACTGTA	ATATCAGCTA	AATCTCCTAG	TTTCGCTGTC	GGCATACCAC	TTATATTATT	1080
TGGTGCTGAC	GCTTTTGAAT	TTTGCTGTGG	TGATGCTCTG	TTAACGCTCG	ACATGGCTGA	1140
AATTTTGT	ATTGTCATTT	TGGGATTGAG	ATTGCCCTTG	TCCTCCTGCC	AACGTTAATG	1200
GAATATTTAT	GTTTTTAAAA	GCATCAACAG	ATTGATATTG	ACCATCAACA	ACAATTGATT	1260
TATCTTTATC	ACCAAATTGG	AACAATCCAA	GTGGCGTTGT	TCTTGTGCCC	GTTTFTAGAT	1320
AGTTTCTACT	ATCATCAGCA	GTCAACCCAT	ATTTTCAAGT	TCATTTTGCT	TAAATTTAAG	1380
GGTGATTTCA	CGGTTTCGTCT	GCCCATTTAA	TTGCGCATT	TGNACACCAT	CTACCGTTTG	1440
CAATTTTGGT	ATNAATTGTT	CATTCACTAC	TTTCGTTACT	TTTTTCAAGT	CATTCTCTTT	1500
ATTTGAAAAT	GAATATGCTA	AAACCGGAAA	AGCATCCATC	GAATTACGTC	NTANTTCTGG	1560
TTGACCAACT	TCATCTTTAA	ATTTAATTTT	NTNTATTTCT	NTNTAAGCT	GTTCTTCTGC	1620
TTTATCCAAA	TCTGTATTMT	TTTCATATTC	AACGTGTTACA	ATTGAAGCAT	TTTGATGGGA	1680
TTGCGTTTTA	ACATTTTTC	CATATGCCAA	TGATCTTAC	TGAWTGTCAA	TTTTACTACT	1740
TATTTTCATCT	TGGGTACTTT	GTGGCGTTGC	ACCCGGCATT	GTTGTTGTAA	CTGAAATAAC	1800
TGGATKTTGT	ACATTTGGTA	KTAATTTCTMA	TTTCAATTTA	GCACCTCGCAT	ATACACCGCC	1860
CAAGACAAT	WAAACAACCA	TTAMAAAGAT	AGCAAACTTA	TTCCCTAAAA	RGAAAAATTGT	1920
AATAGCTTTT	TTAWCAACAG	TMCTYCCCC	TCTTTCAC	WAATTCAAAA	AATTATTTT	1980
CTCAACCATY	CTAWWTGTG	TAAAAAAAT	CTGAACGCAA	ATGACAGYCT	TATGAGCGTT	2040
CAGATTTT	YCGTTAATCT	ATTTTCGTTT	TAATTTACGA	GATATTTTAA	TTTTTACTTT	2100
TGTTAAACG	GGTTTAACTT	GCTCAATTTA	TTGGYACAAT	GGCTGATTCA	ATACATAATC	2160
AAATTCACCA	ATCTTTTCAC	TAAAGTATGT	TCCCCACACT	TTTTTAAATG	CCCATAATCC	2220
ATAATGTTCT	GAGTCTTTAT	CTGGATCATT	ATCTGTACCA	CCGAAATCGT	AAGTTGTTGC	2280
ACCATGTTCA	CGTGCATACT	TCATCATCGT	ATACTGCATA	TGATGATTG	GTAAAAAATC	2340
TCTAAATTCA	TTAGAAGACG	CACCATATAA	GTAATATGAT	TTTGAGCCAG	CAAACATTAA	2400
TAGTGACCA	GAAAGATAAA	TACCTTCAGG	ATGTTTCTTT	TCTAAAGCTT	CTAGGTCTCG	2460
TTTTAAATCT	TCATTTTATG	CAATTTTATT	TTGCGCATCA	TTAATCATAT	TTTGCGCTTT	2520
TTTAGCTTGC	TTTTTCAGATG	TTTTTCATCTT	CTGCTGCCAT	TTAGCAATTT	CGGCATGAAG	2580

TTCATTCAAT	TCTTGATTTA	CTTTCGCTAT	ATTTTCTTTT	GGATCCAAC	TTACTAAAAA	2640
TAGTTCAGCA	TCTCCATCTT	CATGCAACGC	ATCATAAATA	TTTTTCAAAGT	AACTAATATC	2700
ACGCGTTAAG	AAGCCATCGC	GTTCCCCAGT	GATTTTCATT	AACTCAGCAA	ATGTTTTTAA	2760
ACCTTCTCTA	TCAGATCGTT	CTACTGTCGT	ACCTCGCTTT	AAAGCCAAGC	GCCTTTTGA	2820
ACGATTTCCG	CGTTCAAAC	TATTTAATAA	CTCATCATCA	TTTTTATCAA	TTGGTGTAAT	2880
CATAGTCATA	CGTGGTTGGA	TGTAGTCTTT	TGATAAACCT	TCTTTAAATC	CTTTATGTTT	2940
AAAACCAAGC	GCTTTCAAAT	TTTGCAAAGC	ATCTGTRCCT	TTATCAACTT	CAACATCAGG	3000
ATCGRTTTTA	ATTGCATACG	CTTTCTCAGC	TTTAGCAATT	TCTTTTGAC	TGTCTAACMA	3060
TGSMTTTAAC	GYTTCTTTAT	TACTATTAAT	CAACAACCAA	AACCMCGCGR	RAWTATWACM	3120
TAGSGTATAA	GGTAATTTAG	GTACTTTTTT	AAAAAGTAAC	TGCGCAACAC	CCTGGAACCT	3180
SMCCGTCACG	ACCTACAGCG	ATTCTTCGCG	CGTACCATCC	AGTTAATTTC	TTTGTTCCTG	3240
CCCATTTTCG	TAATTGTAAT	AAATCTCCAT	TTGGGTGGGR	WTTWACAAAT	GCGTCATGTT	3300
CCTGATTAGG	KGATATGCAT	CTTTTCCATG	ATTTATGATA	TCTCCTTCTA	TTTAAACAATA	3360
CCTTTAATTA	TACAGTTTGT	ATCTTATAGT	GTCGATTCAG	AGCTTGTTGA	AGATTTGAAC	3420
TCTTATTTTT	GGAAATGTCC	ATGCTCCAAT	TAATAGTTTA	GCAAGTTCAA	ATTTACCCAT	3480
TTTAATTGTG	AATCATTTTA	TATCTATGTT	TCGTGTTAAA	TTTAATGTTA	TCGTACARTT	3540
AATAGTTTAC	AACTAGTTAC	CTATACTTTC	ATCATCTAAC	ATCATCTAAC	ACGATTTTCA	3600
TTTCTAARAA	TGAACCAACT	TGACTTCAAT	GAATAAATTT	TTCTCTCAAGC	AACCACATTA	3660
ATGTTTCATAT	ACAATTACCC	CTGTTATAAT	GTCAATAATC	TAACAATGAG	GTGTTTGATA	3720
TGAGAACAAT	TATTTTAAGT	CTATTTATAA	TTATGRACAT	CGTTGCAATC	ATTATGACAT	3780
TGAGTCAACC	TCTCCACCGT	GAATTACTTT	AGTTTACGGG	TTTACTTTAT	CTTTTTCACA	3840
TTTATATTAT	CAATCTTTTT	CATTTTAAAT	AAGTCATCAC	GATTAAATAA	TATATTAACG	3900
ATTMWWTCCA	TTGTGCTTGT	CATTATTCAT	ATGGGCATTTC	TCGCTCATAG	CACTTACGTA	3960
TATTTATACT	AATGGTTCAA	AGCGATAAAT	AGCACCTCTG	ATAAAAAATTG	AATATGGTGA	4020
AGTTGCTTGT	CGGTCTTTTA	TGATAACCGA	ATGATATTTT	GAAACTTTAC	CATCTTCAAT	4080
TCTAAAAATAA	ATATCATCAT	TTTTTAAAAAT	CAAATCTGTG	TAATGGTCAT	TTYKTCHACA	4140
ATGTCCATAT	CAARCCATTT	CAACCAATTC	GATACTGTWK	GTGATCGGTT	TTTACTTTTC	4200
ACAATAACAG	TTTCAAWTGA	AAATTGTTTT	TGAAAAATATT	TTTGCAATTT	TTTAGTACGC	4260
ATGGGAATCAC	TTTCTTCCCA	TTGAATAAAA	AATGGTGGCT	TAATTTTCATC	ATCATCTCTGA	4320
TTCATTATAT	AAAGCAATTG	CCACTTTACC	TWCACCATCT	TTATGTGTAT	CTCTTTCCAT	4380
TTGAATCGGC	CCTACTACTT	CAACCTGCTC	ACTNTGTAGT	TTATTTTTTAA	CTGCCTCTAT	4440
ATCATTTGTA	CGCAAACAAA	TATTTATTAA	AGCCTTGCTC	ATACTTCTCT	TGAACAATTT	4500
GAGTAGCAAA	AGCGACTCCG	CCTTCTATCG	TTTTTCCCAT	CTTTTTC AAC	TTTTTCATTAT	4560
TTTACTACAT	CTAGTAGCTC	AAGATAATTT	CATTGATATW	ACCTA AKKTA	TTGAATGTTC	4620
CATATTTATG	ATGATACCCA	CCTGAATGTA	ATTTTATAAC	ATCCTCCTGG	AAAAC TAAAC	4680
CGATCTAACT	GATCTATATA	ATGAATGATG	TGATCANATT	TCAATATCAT	TAGTATCCCC	4740
CTATTTACAT	GTAATTACGC	TTATTTTAAA	CAAAGTAWAA	TTATTTTGGC	YCTTAATAAT	4800
TATATAKTGA	YYCWAATTG	CTCCCGTTTT	ATAATTACTA	TTGTTGTAAA	ARGGTTAGCT	4860
AAGCTAACTA	TTTTGCCTTA	GGAGATGTCA	CTATGCTATC	ACAAGAATTT	TTCAATAGTT	4920
TTATAACAAT	ATAYCGCCCC	TATTTAAAAAT	TAGCCGAGCC	GATTTTAGRA	AAACACAATA	4980
TATATTATGG	CCAATGGTTA	ATCTTACGCG	ATATCGCTAA	ACATCAGCCC	ACTACTCTCA	5040
TTGNAATTTT	ACATAGACGG	GCAATTGAAA	AGCCTACTGC	AAGAAAAACT	TTAAAAGCTC	5100
TAATAGGAAA	TGACCTTATW	ACAGTAGAAA	ACAGNTTAGA	GGATAAACNA	CAAAAGNTTT	5160
TAACTTTAAAC	ACCTAAAGGG	CATKAATTAT	ATGAGATTGT	TTGTCTTGAT	GNACAAAAGC	5220
TCCNACAAGC	AGNNAGTTGC	CAAAACAAAG	ATT			5253

(2) INFORMATION FOR SEQ ID NO: 20:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	3263 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:

ACATTGAMAA	AGATCACCCA	TTACAACCAC	ATACAGATGC	AGTAGAAGTT	TAAAACACAT	60
TTTTCTAATT	ATCAAAGCTT	AGGATAAATA	TGATGTCCTA	AGCTTTTCCT	TTTACAACCT	120
TTTCGAATAA	ACAACAGTTA	AATATATTCA	CCTTTCTACC	AAACTTTTAA	TCCCCTCATT	180
TAAATTTTAC	CGGKYTCATA	TAAAATCCTT	TAATTCTTTC	TTAACATTAW	TTTWTATCT	240
CTACATYTAT	TTTAATAAAT	AGAAGTGCAC	ATTTATTCTGA	AATACTTAGA	TTTCTAGTGA	300
GATAAACTGC	TTTATTTATT	ATCATTTCATC	ATGTAAAAATA	AGATTTAACT	GAAATTTTAG	360
TGTTATTTCA	CTAATTTTTT	AAAATGAACG	ACATGATGAA	CCTAGTTATT	AACCAAATCG	420
TTATTAAGTT	ACATTATAGA	GATGATTGGA	ATGAATTTAT	CGATATATAC	TCCAATACGA	480
TTTTACTAGG	GTTAACAATA	AATTAACAA	ACATTCTTAG	GAGGRATTTT	TAACATGGCA	540
GTATTTAAAG	TTTTTTATCA	ACATAACAGA	GTACGAGGTR	RTTGTGCGTG	AAAATACACA	600
ATCACTTTAT	GTTGAAGCTC	ARACAGAAGA	ACAAGTAGCG	TCGTTACTTG	AAAGATCGTA	660

ATTTTAATAT	CGAATTTATC	ACTAAATTAG	AGGGCGCACA	TTTAGATTAC	GAAAAAGAAA	720
ACTCAGCAAC	ACTTTAATGT	GGAGATTGCT	AAATAATGAA	ACAATTACAT	CCAAATGAAG	780
TAGGTGTATA	TGCACTTGGA	GGTCTAGGTG	AAATCGGTAA	AAATACTTAT	GCAGTTGAGT	840
ATAAAGACGA	AATTGTCATT	ATCGATGCCG	GTATCAAATT	CCCTGATGAT	AACTTATTAG	900
GGATTGATTA	TGTTATACCT	GACTACACAT	ATCTAGTTCA	AAACCAAGAT	AAAATTGTTG	960
GCCTATTTAT	AACACATGGT	CACGAAGACC	ATATAGGCGG	TGTGCCCTTC	CTATTAATAAC	1020
AACTTAATAT	ACCTATTTAT	GGTGGTCCTT	TAGCATTAGG	TTTAATCCGT	AATAAACTTG	1080
AAGAAACATC	ATTTATTACG	TACTGCTAAA	CTAAATGAAA	TCAATGAGGA	CAGTGTGATT	1140
AAATCTAAGC	ACTTTACGAT	TTCTTTCTAC	TTAACTACAC	ATAGTATTCC	TGAAACTTAT	1200
GGCGTCATCG	TAGATACACC	TGAAGGAAAA	KTAGTTCATA	CCGTGACTT	TAAATTTGAT	1260
TTTACACCTG	TAGGCAAACC	AGCAAACATT	GCTAAAATGG	CTCAATTAGG	CGAAGAAGGC	1320
GTTCTATGTT	TACTTTTCTA	CTCAACAAAT	TCATTGTGTC	CTGATTTTAC	TTTAAGCGAA	1380
CGTTGAAGTT	GGTCAAAACG	TTAGATAAGA	TCTTCCGTAA	TTGTAAAGGT	CCGTATTATA	1440
TTTGCTACCT	TCGCTTCTAA	TATTTACCGA	GTTCAACAAG	CAGTTGAAGC	TGCTATCAAA	1500
AATAACCGTA	AAATTGTTAC	KTTCCGTCCG	TTCGATGGAA	AACAATATTA	AAATAGKTAT	1560
GGAACTTGGT	TATATTAAG	CACCACCTGA	AACATTTATT	GAACCTAATA	AAATTAAATC	1620
CGTACCGAAG	TACGAGTTAT	TGATACTATG	TACTGTTTCA	CAAGGTGAAC	CAATGGCAGC	1680
ATTATCTAGA	ATTGCTAATG	GTACTCATAA	GCAAATTAATA	ATTATACCTG	AAGATACCGT	1740
TGTATTTAGT	TCATCACCTA	TCCCAGGTAA	TACAAAAAGT	TATTAACAGA	ACTATTAATT	1800
CCTTGATATA	AGCTGGTGCA	GATGTTATCC	ATAGCAAGAT	TTCTAACATC	CATACTTCAG	1860
GGCATGGTTC	TCAAGGGTGA	TCAACAATTA	ATGCTTCCGA	TTAATCAAGC	CGAAATATTT	1920
CTTACCTATT	CATGGTGAAT	ACCGTATGTT	AAAAGCACAT	GGTGAGACTG	GTGTTGAATG	1980
CGSSKTTGAA	GAAGATAATG	TCTTCATCTT	TGATATTGGA	GATGCTTAG	CTTTAACACM	2040
CGATTACAGC	CGTAAAGCTG	KTCGCATTCC	ATCTGGTAAT	GWACTTGTG	ATGGTAGTGG	2100
TATCGGTGAT	ATCGGTAATG	TTGTAAATAAG	AGACCGTAAG	CTATTATCTG	AAGAAGGTTT	2160
AGTTATCGTT	GTTGTTAGTA	TTGATTTTAA	TACAAATAAA	TTACTTTCTG	GTCCAGACAT	2220
TATTTCTCGA	GGATTTGTAT	ATATGAGGGA	ATCAGGTCAA	TTAATTTATG	ATGCACAACG	2280
CMAAAWCMMA	ACTGATGTTT	ATTAGTWAGT	TWAATCCAAA	ATAAAGAWAT	TCAATGGCAT	2340
CAGATTAAT	CTTCTATCAT	TGAAACATTA	CAACCTTATT	TATTKGAAAA	AACAGCTAGR	2400
AAACCAATGA	TTTTACCAGT	CATTATGGAA	GGTAAACGAA	CAAAARGAAT	CAAACAATAA	2460
ATAATCAAAA	AGCTACTAAC	TTTGAAGTGA	AGTTTTAATT	AAACTCACCC	ACCCATTGTT	2520
AGTAGCTTTT	TCTTTATATA	TGATGAGCTT	GAGACATAAA	TCAATGTTCA	ATGCTCTACA	2580
AAGTTATATT	GGCAGTAGTT	GACTGAACGA	AAATGCGCTT	GTWACAWGCT	TTTTTCAATT	2640
STASTCAGGG	GCCCCWACAT	AGAGAATTTT	GAAAAAGAAAT	TCTACAGGCA	ATGCGAGTTG	2700
GGGTGTGGGC	CCCAACAAAG	AGAAATTGGA	TTCCCCAATT	TCTACAGACA	ATGTAAGTTG	2760
GGGTGGGACG	ACGGAAATAA	ATTTTGAGAA	AATATCATT	CTGTCCCCAC	TCCCGATTAT	2820
CTCGTCGCAA	TATTTTTTTC	AAAGCGATT	AAATCATTAT	CCATGTCCCA	ATCATGATTA	2880
AAATAATCACC	TATTTCTAAA	TTAATATTG	GATTGTTGTA	AATGATGAAC	TCTTTGCCTC	2940
GTTTAATTGC	AATAATGTTA	ATTCCATATT	GTGCTCTTAT	ATCTAAATCA	ATGATAGACT	3000
GCCCCGCCAT	CTTTTCAGTT	GCTTTCAATT	CTACAATAGA	ATGCTCGTCT	GCCAACTCAA	3060
GATAATCAAG	TACACTTGCA	CTCGCAACAT	TATGCGCNAT	ACGTCTACCC	ATATCACGCT	3120
CAGGGTCAC	AACCGTATCT	GCTCCAATT	TATTTAAAT	CTTTGCNTGA	TAATCATTTT	3180
GTGCTCTTAG	CAGTTACTTT	TTTTACACCT	AACTCTTTTA	AAATTAAAGT	CGTCAACGTA	3240
CTTGNTTGAA	TATTTTCACC	AAT				3263

(2) INFORMATION FOR SEQ ID NO: 21:

(i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH:	510 base pairs
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

GGGTACCGAG	CTCGAATTCG	AGGTGTACGG	TAGAAATACT	TCACCAATGA	TGCACTTACA	60
ATTTTAAATA	GATTTTNAAG	ACCTTGTTGG	TTTTGTACAA	TTAATGTGAC	ATGACTAGGT	120
CTTGACGTT	TATATGCATC	TNCATTACTG	AGTTTTTTGT	TGATTTTCGTT	ATGATTTAAT	180
ACGCCATAAT	CTTTCATTG	TTGAACCATT	TTNATGAAAA	TGTAAGCTGT	TGCTTCTGTA	240
TCATAAATGG	CACGGTGATG	TTGCGTTAAT	TCTACGCCAT	ATTTTTTAGC	CAAGAAATTC	300
AAACCATGTT	TACCATATTC	AGTATTAATC	GTACNGATA	ATTCTAAAGT	ATCGNTAACA	360
CCATTCGTTG	ATGGTCCAAA	CCCAAGACGT	TCATATCCCG	TATCGATGNN	GCCCATATCA	420
AACGGAGCAT	TATGCGTTAC	GGTTTTTCGNA	TCGGCAACCC	TTCTTAAACT	CTGTAAGNAC	480
TTCTTCATTT	CAGGGGATCT	NCTANCATAT				510

(2) INFORMATION FOR SEQ ID NO: 22:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 278 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

GGGTACCGAG	CTCGAATTCT	ACACGCTTTT	CTTCAGCCTT	ATCTTTTTTT	GTCGCTTTTT	60
TAATCTCTTC	AATATCAGAC	ATCATCATAA	CTAAATCTCT	AATAAATGTA	TCTCCTTCAA	120
TACGNCCTTG	AGCCCTAACC	CATTTACCAA	CANTTAGNGC	TTTAAATGT	TCTAAATCAT	180
CTTTGTTTTT	ACGAGTAAAC	ATTTTAAAA	CTAAAGNGTC	CGTATAGTCA	GTCACCTTAA	240
TTTCTACGGT	ATGGNGGCCA	CTTTTAAGTT	CTTTTAAG			278

(2) INFORMATION FOR SEQ ID NO: 23:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 400 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

GGGTACCGAG	CTCGAATTCT	GGTACCCCAA	ATGTACCTGT	TTTACATAAA	ATTTTCATCTT	60
CAGTAACACC	CAAACCTTCA	GGTGACTAA	ATATCTGCAT	AACTNCTTTA	TCATCTACAG	120
GTATTGTTTT	TGGNTCAATT	CCTGATAAAT	CTTGAAGCAT	ACGAATCATT	GTTGGNTCAT	180
CGTGTCCAAG	TATATCANGT	TTTAATACAT	TATCATGAAT	AGAATGGAAA	TCAAAATGTG	240
TCGTCATCCA	TGCTGAATTT	TGATCATCGG	CAGGATATTG	TATCGGCGTA	AAATCATAAA	300
TATCCATGTA	ATCAGGTACT	ACAATAATAC	CCCCTGGNTG	CTGTCCAGTT	GTACGTTTAA	360
CACCTGTACA	TCCTTTAACG	NGTCGATCTA	TTTCAGCACC			400

(2) INFORMATION FOR SEQ ID NO: 24:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 528 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

GATCATTTGC	ATCCATAGCT	TCACTTATTT	NTCCAGAAGC	TAGCGTACAA	TCATTTAAAT	60
CTACGCCACC	TTCTTTATCA	ATAGAGATTC	TAAGAAAATN	ATCTCTACCC	TCTTTGACAT	120
ATTCAACGTC	TACAAGTTCA	AAATTCAAGT	CTTCCATAAT	TGGTTTAAAC	ATCACTTCTA	180
CTTGTCCTGT	AATTTTNTCT	ATACAGGCCT	CCCTTTTTGG	CAAATAGAAA	AGAGCGGGAA	240
TCTCCCACTC	TTCTGCCTGA	GTTCACTAAT	TTTTAAGCAA	CTTAATTATA	GCATAAGTTT	300
ATGCTTGAAA	CAAATGACTT	CACTATTAAT	CAGAGATTCT	TGTAAAAGTT	TGTCCCTTTA	360
TTTCACCATT	ACATTTGAAT	NGNCTCGTNA	GNCATTGTAA	AGAGATNCGG	GCATAATTTT	420
GTGTCCAGCA	TCAATTTTGG	TATTTCTTGT	CTTACGGCTT	ACGGTTNATT	AAATACCTNG	480
GNTTTTTNTC	TTTTACCTNT	NATATNTCGN	ANGNTGGGNT	TTTTCNNG		528

(2) INFORMATION FOR SEQ ID NO: 25:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 557 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

CAGCCGACAG	TTNACAACCA	GCNTCACCGT	NAGACAGCAA	ACGCCACAAA	CTACAAGGNT	60
CCAAATGNCT	AGACAATACT	GGTGNAAGGC	ANGTAATAAT	ACGACATTAA	CATTTGATGA	120
TCCTGCCATA	TCAACAGNTC	AGAATAGACA	GGATCCAAC	GTAACGTGTA	CAGATAAAGT	180
AAATGGTTAT	TCATTAATTA	ACAACGGTAA	GATTGGTTTC	GTTAACTCAG	AATTAAGACG	240
AAGCGATATG	TTTGATAAGA	ATAACCCCTCA	AAACTATCAA	GCTAAAGGAA	ACGTGGCTGC	300
ATTAGGTCGT	GTGAATGCAA	ATGATTCTAC	AGATCATGGT	AACTTTAACG	GTATTTCAAA	360
AACTGTAAAT	GTAAAACCAG	NTTCAGAATT	AATTATTAAC	TTTACTACTA	TGCAAACCGG	420
ATAGTNAGCA	AGGTGCAACA	AATTTAGTTA	TTAAAGGATG	CTAAGGAANN	TACTGNNTTA	480
GCACCTGTAA	AATGTTGCTT	AGGCTGGTCC	TGCACATTTA	TTTTAAGGTC	CNNCTTGTC	540
TGNTNGGCTC	TNGGGGG					557

(2) INFORMATION FOR SEQ ID NO: 26:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	527 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:

GTCGATCAGC	ATCATTGGTA	CTTTAAATAA	ATGTGCAGTA	CCAGTCTTAG	CAACATTTAC	60
AGTTGCTAAT	TCAGTATTTT	CNTTAGCATC	TTTAATAACT	AANTTTNTNG	CACCTTGCNT	120
ACTATTCGTT	TGCATAGTAG	TAAAGTTAAT	AATTAATTCT	GANTCTGGTT	TTACATTTAC	180
AGTTTTTGAA	ATACCGTTAA	AGTTACCATG	ANCTGTAGNA	TCATTTGCNT	TCACACGGCC	240
TAATGCAGCC	NCGGTTCCTT	TAGCTTGATA	GTTTTGAGGG	GTATTCTTAT	CAAACATATC	300
GNTTCGGCTT	AATTCTGAGG	TAACGGGNAC	CNATCTTTAC	CNTTGTTAAT	TAATGGNTTC	360
CCCTTTACNT	TAATCTGTAA	CAGTTACAGT	TGGGTCCCCG	TCTATTCTCA	TCTGTTGTA	420
TGGCAGGGTC	ACCACAATGN	TAATGTCGGT	TTATACTGGN	NTCNCCCCGNA	TTGCTTAGGT	480
TTGGNGCTTG	NGGTGTGCGN	TTNCTNGCTT	CAGGGGNCCTG	CTGGGTT		527

(2) INFORMATION FOR SEQ ID NO: 27:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	578 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27:

TGTGAGCTCC	CATNACCACC	AGTGCGNNCA	TGCGCTGGGC	TACCGATTGT	CAATTTAAAG	60
TCTTCATCTT	TAAAGAAAAT	TTCAGTACCA	TGTTTTTTAA	GTACAACAGT	TGCACCTAAA	120
CGATCAACTG	CTTCACGATT	ACGCTCATAT	GTCTGTTCCCT	CAATAGGAAT	ACCACTTAAT	180
CGTTCCCAT	CTTTGAGGTG	TGGTGTAAG	ATCACACGAC	ATGTAGGTAA	TTGCGGTTTC	240
AGTTTACTAA	AGATTGTAAT	CGCATCGCCG	TCTACGATTA	AATTTTGATG	CGGTTGTATA	300
TTTTGTAGTA	GGAATGTAAT	GGCATTATTT	CCTTTGAAAT	CAACGCCAAG	ACCTGGACCA	360
ATTAGTATAC	TGTCAGTCAT	TTCAATCATT	TTTCGTAACA	TTTCGTATC	ATTAATATCA	420
ATAACCATCG	CTTCTGGGCA	ACGAGAATGT	AATGCTGAAT	GATTTGTTGG	ATGTGTAGTA	480
CAGTGATTAA	ACCACTACCG	CTAAATACAC	ATGCACCGAG	CCGCTAACAT	AATGGCACCA	540
CCTAAGTTAG	CAGATCGGCC	CTCAGGATGA	AGTTGCAT			578

(2) INFORMATION FOR SEQ ID NO: 28:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	534 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear



(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 28:

CGAGCCAGCA	GNTTGCAGCG	GCGTGTCCCA	TAAC TAAGGT	GGTGCCATTA	TGTNAGCGGC	60
TCGTCCATGT	NTATTTGGCG	GTAGTGTTT	AATCACTGTA	GCTACACATC	CAACAAATCA	120
TTCAGCATTA	CATTCTCGTN	CCCCAGAAGC	GATGGTTATT	GATATTAATG	ATACGAAAAT	180
NTTGACGAAA	ATNATTGAAA	TGACTGACAG	TATACTAATN	GGNCCAGGTC	TTGGCGTTGA	240
TTTCAAAGGA	AATAATGCCA	TTNCATTCTT	ACTACAAAAT	ATACAACCGC	ATCAAAATTT	300
AANCGTAGAC	GGCGNTGCCA	TTNCAATCTT	TNGTAAACTG	NAACCGCAAT	TACCTACATG	360
TNGTGTGNNC	TTNACACCAC	ACCTCAAAGG	NNTGGGNCGG	TTANGTGGTA	TTCCNNTTGN	420
GGACAGGCAT	ATGGNGCGTA	ATCGTGNAGC	AGTTGNTCGT	TTAGGNGCAC	TNTNGTCCTT	480
AAAAAACATG	GTCTGNATNT	CCTTTAANGN	NGNNGCTTTA	AATTGGCAAT	CGGT	534

(2) INFORMATION FOR SEQ ID NO: 29:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	565 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 29:

ACCATTTCACA	GTGNCATGCA	TCATTGCACA	CCAAATGNTG	TTTGAAGAGG	TGTTTGTGTTG	60
TATAAGTTAT	TTAAAATGAC	ACTAGNCATT	TGCATCCTTA	CGCACATCAA	TAACGACACG	120
CACACCAGTA	CGTAAACTTG	TTTCATCACG	TAAATCAGTG	ATACCGTCAA	TTTTCTTGTC	180
ACGAACGAGC	TCTGCAATTT	TTTCAATCAT	ACGAGCCTTA	TTCACTTGGA	AAGGAATTTT	240
AGTGACAACA	ATACGTTGAC	GTCCGCCCTCC	ACGTTCTTCA	ATAACTGCAC	GAGAACGCAT	300
TTGAATTGAA	CCACGNCCTG	TTTCATATGC	ACGTCTAATA	CCACTCTTAC	CTAAAATAAG	360
TCCNGCAGTT	GGGGAATCAG	GACCTTCAAT	ATCCTCCATT	AACTCAGCAA	ATTGNAATNT	420
CAAGGGGTCT	TTACTTTAAG	GCTNAGNNCA	CCCTTGGTTA	ATTCTGTTAA	GTTATTGTGG	480
TGGGATATTT	CGGTTGCCAT	NCCTNCCNCG	GGTACCCNNA	TGCACCCNTT	GGGTAATNAG	540
GNTTGGGGGT	TTGTGCCCCG	TAAGC				565

(2) INFORMATION FOR SEQ ID NO: 30:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	558 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 30:

CGCAAAACGT	CANCAGAANG	NACTNCCTAA	TGCACTAATG	AAGGGCGGTA	TTAAATCGTA	60
CGTTGAGTTA	TTGANCGNAA	AATAAAGGAA	CCTATTCATG	AATGAGCCAA	TTTATATTCA	120
TCAATCTAAA	GATGATATTG	ANGTAGAAAT	TGCNATTCAN	TATAACTCAG	GATATGCCAC	180
AAATCTTTTA	ACTTACGCAA	ATAACATTCA	TACGTATGAN	GGTGGTACGC	ATGANGACGG	240
ATTCAAACGT	GCATTTACGC	GTGTCTTAAA	TAGTTATGGT	TTAAGTAGCA	AGATTNTGTA	300
AGANGGAAAA	GNTAGNCTTT	CTGGTGAAGN	TACACGTGAA	GGTATNNCNG	CNNTTNTATC	360
TNTCAAACNT	GGGGNTCCNC	AATTNGGAGG	TCAAACGGGG	CAAAAATTTG	GGNNTTCTGT	420
AGTGCGTCAN	GTTGTNGGTN	AATTATTCCN	NGNGNCTTTT	TACNGTTTTN	CTTTGNAAT	480
CCNCNAGTCG	GNCGTNCNGT	GGTTTNNAAA	AGGGTTTTTT	GNGGCACGTG	NACGTGTTNT	540
TCGGAAAAAA	AGCGGGTT					558

(2) INFORMATION FOR SEQ ID NO: 31:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1508 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 31:

AGTSGWTC	CG	TGTGCATAGG	TRTGAAC	TTT	GAACCACCAC	GTTTAAT	TTTC	ATCGTCACAA	60
ATATCTCCA	A	AACCAAGCTC	GTCGATAAT	C	ATCTGTATCA	TTGTTAAT	CT	GTGCTGAACG	120
TCTATAAA	AAT	CATGGTGCTT	TTTCAATGGA		GACATAAAAC	TAGGTAAAA		ATAAAATTCA	180
TCTGGCTG	T	ATTTCATGAA	TACTTCGCTA		GCTACTATCA	TATGTGCAGT		ATGGATAGGG	240
TTAAACTG	A	CGCCGTAAAG	TACTATCTTT		TTTATTATTA	TGGCAATTCA		ATTTCTTTAT	300
TATCTTTA	G	TTCTCTATAA	ATCACTATCA		TAGATCCAAT	CACTTGCACT		AATTCACAT	360
GAGTAGCT	T	GCTTAATGTT	TCAGCTAATT		CTTTTTTATC	ATCAAAGTTA		TTTTGTAGTA	420
CATGTACT	T	AATCAATTCT	CTGTTTTCTA		ACGTATCATC	TATTTGTTTA		ATCATATTTT	480
CGTTGATA	C	GCCTTTTCCA	ATTGAAAAA		TCGGATCAAT	ATTGTGTGCT		AAACTTCTTA	540
AGTATCTTT	T	TTGTTTGCCA	GTAAGCATAT		GTTATTCTCC	TTTAAATGT		TGTAAACTG	600
CTGTTTTCA	T	AGAATTAATA	TCAGCATCTT		TATTAGTCCA	AATTTTAAAG		CTTTCCGCAC	660
CCCTGGTAA	A	CAACATATC	TAAGCCATTA		TAAATATGGT	TTCCCTTGCG		CTCTGCTTCC	720
TCTAAATAG		GTGTTTTATA	CGGTATATAA		ACAATATCAC	TCATTAAAGT		ATTGGGAGAA	780
AGATGCTTT	A	AATTAATAAT	ACTTTCGTTA		TTTCCAGCCA	TACCCGCTGG		TGTTGTATTA	840
ATAACGATA	T	CGAATTCAGC	TAAATAACTT		TTTCCAGCAT	GCTAATGAAA		TTTGGTTTAT	900
ATTTAAATTC		CAAGATTCAA	AACGAGCCAT		CGTTCTATT	GCAACAGTTA		ATTTGGGCTT	960
TACAAATTTT		GCTAATTCAT	AAGCAATACC		TTTACTTGCA	CCACCTGCGC		CCAAAATTAA	1020
AATGTATGCA		TTTTCTAAAT	CTGGATAAAC		GCTGTGCAAT	CCTTTAACAT		AACCAATACC	1080
ATCTGTATTA		TACCCTATCC	ACTTGCCATC		TTTTATCAAA	ACAGTGTTAA		CTGCACCTGC	1140
ATTAATCGCT		TGTTTCATCAA	CATAATCTAA		ATACGGTATG	ATACGTTCTT		TATGAGGAAT	1200
TGTGATATTA		AAGCCTTCTA	ATTCTTTTTT		CGAAATAATT	TCTTTAATTA		AATGAAAATC	1260
TTCAATTGGA		ATATTTAAAG	CTTCATAAGT		ATCATCTAAT	CCTAAAGAAT		TAAAATTTGC	1320
TCTATGCATA		ACGGGCGACA	AGGAATGTGA		AATAGGATTT	CCTATAACTG		CAAATTTTAT	1380
TTTTTTAATC		ACCTTATAAA	ATAGAATTTC		TTAATAACAAC	ATCAACATTT		TTAGGAACAC	1440
GAACGATTAC		TTTAGCCCCCT	GGTCCTATAG		TTATAAAGCC	TAGACCAGAG		ATCGACCTGC	1500
AGGCAGCA									1508

(2) INFORMATION FOR SEQ ID NO: 32:

(i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH:	1810 base pairs
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:

CGCGTCTTCC	AAATTTCNAA	AGCTGTAAAA	AGTTATTAAA	TCAAATCTTG	CGAATTTGGA	60
TNTAGAGGCA	CAATCTGANG	TTTATAAAAN	TAATGCAGAT	AGAGCTTTAA	AAGCNTTGTC	120
AAAACGTGAT	ATTCAATTTG	ATNTCATTTT	CTTAGATCCA	CCTTATAATA	AAGGTCTCAT	180
TGATAAAGCT	TTAAACTAA	TTTCAGAGTT	TAATTTATTG	AAAGAAAATG	GTATCATCGT	240
TTGTGAATTT	AGCAATCATG	AAGAAATAGA	TTATCAACCG	TTAATATGA	TTAAACGTTA	300
CCATTATGGG	TTGACAGACA	CATTGTATT	AGAAAAGGGA	GAATAGCATG	GAACATACAA	360
TAGCGGTCAT	TCCGGGTAGT	TTTGACCCCA	TTACTTATGG	TCATTTAGAC	ATTATTGAGA	420
GAAGTACAGA	TAGATTTGAT	GAAATTCATG	TCTGTGTTCT	TAAAAATAGT	AAAAAAGAAG	480
GTACGTTTAG	TTTAGAAGAG	CGTATGGATT	TAATTGAACA	ATCTGTTAAA	CATTTACCTA	540
ATGTCAAGGT	TCATCAATTT	AGTGGTTTAC	TAGTCGATTA	TTGTGAACAA	GTAGGAGCTA	600
AAACAATCAT	ACGTGGTTTA	AGAGCAGTCA	GTGATTTTGA	ATATGAATTA	CGCTTAACTT	660
CMATGAATAA	AAAGTTGAAC	AATGAAATG	AAACGTTATA	TATGATGTCT	AGTACTAATT	720
ATTCATTTAT	AAGTTCAAGT	ATTGTTAAAG	AAGTTGCAGC	TTATCGAGCA	GATATTTCTG	780
AATTCGTTCC	ACCTTATGTT	GAAAAGGCAT	TGAAGAAGAA	ATTTAAGTAA	TAAAAATAAC	840
AGTATTTTAG	GTTTATCATG	GTTTACAATC	CTAAAATACT	GTTTTTCATT	GTTAACGATA	900
TTGCTGTATG	ACAGGCGTGT	TGAAATCTGT	TTGTTGTTGC	CCGCTTATTG	CATTGTATAT	960
GTGTGTTGCT	TTGATTTTCT	TTGTGAAGTA	ATGTGCATTG	CTTTTGTTAA	TATTGGTTAT	1020
ATATTGTCTT	TCTGGGAACG	CTGTTTTTAA	ATGCTTTTAA	TATTGTCTGC	CACGGTCGTT	1080
CATCGTAAT	ACTTTAACTG	CGTGAATGTT	ACTCGTAACA	TCTGTAGGTT	TAATGTTTAA	1140
TAATACATTC	ATTAACAGTC	TTTGGATATG	CGTATATGTA	TAACGCTTTG	TTTTTAGTAA	1200
TTTTACAAAA	TGATGAAAAT	CAGTTGCTTC	ATAAATGTTA	GATTTCAAAC	GATTTTCAAA	1260
ACCTTCAGTA	ACAGTATAAA	TATTTTTTAA	TGAATCTGTA	GTCATAGCTA	TGATTTGATA	1320
TTTCAAAATAT	GAGAAATATT	GATTTAATGT	WATATGAGGT	GTTACGTACA	AGTGTGGAAT	1380
ATCTTTAGGT	ACCACATGAT	GCCAATGATC	ATCTTGACTA	ATGATTGATG	TTCTAATAGA	1440
TGTACCACTT	SCAAACTGAT	GGTGTTGAAT	TAATGAATCA	TGATGTTGAG	CATTTTCTCG	1500
TTTGATAGAA	ATTGCATTGA	TGTTTTTAGC	ATTTTATAGCA	ATTGCTTTCA	GGTAACTAAT	1560
ACCAAGATAG	TTGTTAGGAC	TTGCTAGTGC	TCTAATAAAT	CGCTAATGAT		1620
ACGAGGGTAG	CTTTTACCTT	CTTTTACTTT	TNGTGAAAAG	GATTCAGATN	GTTCAATTTT	1680
ATTAATNCTG	NGTGCTAATT	GCTTTAANGT	TTNGATATCA	TTATTTTTCAC	TACCAAATGC	1740

AATGGTATCG AACTCATAT AATCNGCGAC TTNAACGGCT AGTTCGGCCA AGGGATCGAC 1800  
CGGCAGGCAG 1810

(2) INFORMATION FOR SEQ ID NO: 33:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1876 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33:

TCTGAATGAT	CTARACGGAT	TAAATTATTT	AGCTGGTAAA	ACAATCGACG	AAGTTAACAC	60
AAAAGCATT	GAAGGTACAT	TATTAGCGCA	TACTGATGGT	GGTGTTCCCTA	ACATGGTAGT	120
GAACATTCCA	CAATTAGATG	AAGAACTTT	CGGTTACGTC	GTATACTTCT	TCGAACCTGC	180
TTGTGCAATG	AGTGGATACC	AATTAGGCGT	AAATCCATT	AACCAACCTG	GTGTAGAAGC	240
ATATAAACAA	AACATGTTTCG	CATTATTAGG	TAAACCTGGT	TTTGAAGACT	TGAAAAAAGA	300
ATTAGAAGAA	CGTTTATAAA	ATACATTACT	TCAAAGATTA	GTGAAGTTTG	AAAAGATAGA	360
ACTAGACGTT	AACATTTTAA	AGCATATTTT	CGAGGTTGTC	ATTACAAATG	TAAAAATGTA	420
ATGACAACCT	CGTTTTTATT	TATATGCAAG	AAC TAGGTTA	CTAGCTAATG	TGACAAGATG	480
TTWAGAGAAA	ATTAAAGATA	AAATAATATC	TGCCTTACAA	TAATATTGTT	ATACTACTAG	540
AGACTGATTT	ATTAGCATGA	TTACATGTTA	ATGTTTCTTT	ACTTAGTAAT	TAAC TTTRTA	600
ATGTAARAHT	AATTATCTTC	ADCCAHAGAA	AGGGATTGAT	GATTTGTCGT	WTCMTCAATT	660
AGAAGAATGG	TTTGAGATAT	KTCGACAGTT	TGGTTWTTTA	CCTGGATTTA	TATTGTTATA	720
TATTAGAGCT	NTAATCCAG	TATTTCTTTT	ARCACTCTAT	ATTTTAATTA	ACATTCAAGC	780
TTATGGACCT	ATTTTAGGTA	TATTGATTAG	TTGGCTTGGA	TTAATTTCTG	GAACATTTAC	840
AGTCTATTTG	ATCTGTAAAC	GATTGGTGAA	CACTGAGAGG	ATGCAGCGAA	TTAAACAACG	900
TACTGCTGTT	CAACGCTTGA	TTAGTTTTAT	TGATCGCCAA	GGATTAATCC	CATTGTTTAT	960
TTTACTTTGT	TTTCCTTTTA	CGCCAAATAC	ATTAATAAAT	TTGTAGCGA	GTCTATCTCA	1020
TATTAGACCT	AAATATTATT	TCATTGTTTT	GGCATCATCA	AAGTTAGTTT	CAACAATTAT	1080
TTTAGGTTAT	TTAGGTAAGG	AAATTACTAC	AATTTTAAACG	CATCCTTTAA	GARGGATATT	1140
AATGTTAGTT	GGTGTGGGTT	GTATTTTGGA	TTGTTGGAAA	AAAGTTAGAA	CAGCATTTTA	1200
TGGGATCGAA	AAAGGAGTGA	CATCGTGAAA	AAAGTTGTAA	AATATTTGAT	TTCATTGATA	1260
CTTGCTATTA	TCATTGTACT	GTTCGTACAA	ACTTTTGTA	TAGTTGGTCA	TGTCATTCCG	1320
AATAATGATA	TGYMCCCAAC	CCTTAACAAA	GGGGATCGTG	TTATTGTWAA	TAAAATTAAA	1380
GTAACATTTA	ATCAATTGAA	TAATGGTGAT	ATCATAACAT	ATAGGCGTGG	TAACGGAGAT	1440
ATATACTAGT	CGAATTATTG	CCAAACCTGG	TCAATCAATG	GCGTTTCGTC	AGGGACAATT	1500
ATACCGTGAT	GACCGACCGG	TTGACGCATC	TTATGCCAAG	AACAGAAAAA	TTAAAGATTT	1560
TAGTTTGCGC	AATTTTAAAG	AATTAGGATG	GTGATATTAT	TCCGCCAAAC	AATTTTGTG	1620
TGCTAAATGA	TCAAGATAAT	AACAAGCACG	ATTCAAGACA	ATTTGGTTTA	ATCGATAAAA	1680
AGGATATTAT	TGGTAATGTT	AGTTTACGAT	ACTATCCTTT	TTCAAAATGG	ACTGTTTCAGT	1740
TCAAATCTTA	AAAAGAGGTG	TCAAAATTGA	AAAAAGAAAT	ATTGGAATGG	ATTATTTCAA	1800
TTGCAGTCGC	TTTTGTCAAT	TTATTTATAG	TAGGTAAATT	TATTGTTACG	CCATATACAA	1860
TTAAAGGTGA	ATCAAT					1876

(2) INFORMATION FOR SEQ ID NO: 34:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2687 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:

TATGATGATG	GTAAAGATCC	TAAAGGATTA	CCTAAAGCTG	ATATTGTTTT	ACTTGGTATT	60
TCGAGAACTT	CAAAGACACC	ATTATCTCAG	TATTTAGCGC	ATAAGAGTTA	CAAAGTTATG	120
AATGTACCGA	TTGTACCAGA	AGTGACACCG	CCAGATGGT	TATATGATAT	TAATCCAAAG	180
AAATGTATCG	CACCTTAAAT	AAGTGAAGAA	AAATTAAATC	GCATTAGAAA	AGAGCGACTA	240
AAACAATTAG	GACTAGGTGA	CACAGCTCGA	TATGCAACAG	AAGCACGAAT	TCAAGAAGAA	300
TTGAATTACT	TTGAAGAAAT	CGTAAGTGAA	ATTGGATGTC	CTGTCATTGA	TGTTTCTCAA	360
AAAGCAATCG	AAGAAACAGC	AAACGATATA	ATCCATTATA	TTGAACAAAA	TAAATCGAAA	420
TGATTTTCATT	TTTGTGCAAA	ATTAGGTATA	ATTAGTAAAC	TAATGCTTAA	TAGGTGATTT	480
AATTTGCGAA	TAGATCAATC	GATCATTAA	GAAATAAAAG	ATAAAACCGA	CATTTTAGAC	540
TTGTAAGTG	AATATGTWAA	ATTAGAAAAG	AGAGGACGCA	ATTATATAGG	TTTGTGTCCT	600

TTTCATGATG	AAAAGACACC	TTCATTTACA	GTTTCTGAAG	ATAAACAAAT	TTGTCATTGT	660
TTTGGTTGTA	AAAAAGGTGG	CAATGTTTTC	CAATTTACTC	AAGAAATTAA	AGACATATTC	720
ATTTGTTGAM	GCGGTTAAAG	AATTAGGTGG	WTAGRGTTAA	TGTTTGCTGT	AGRTATTGAG	780
GCAMCACAAT	CTTWACTCAA	ATGTYCAAAT	TSCTTCTSRV	GRTTTACAAA	TGATTGACAW	840
TGCATGGRGT	TAWTACAAGR	ATTTTATTAT	TACGCTTTAA	CAAAGACAGT	CGAAGGCGAA	900
CAAGCATTAA	CGTACTTACA	AGAACGTGGT	TTTACAGATG	CGCTTATTAA	AGAGCGAGGC	960
ATTGGCTTTG	CACCCGATAG	CTCACATTTT	TGTCATGATT	TTCTTCAAAA	AAAGGGTTAC	1020
GATATTGAAT	TAGCATATGA	AGCCGGATTA	TWATCACGTA	ACGAAGAAAA	TTTCAGTTAT	1080
TTACGATAGA	TTYCGAAAYC	GTATTATGTT	YCCTTTGAAA	AATGCGCAAG	GAAGAATTGT	1140
TGGATATTCA	GGTCGAACAT	ATACCGGTCA	AGAACCAAAA	TACTTAAATA	GTCTGAAAC	1200
ACCTATCTTT	CAAAAAAGAA	AGTTGTTATA	CAACTTAGAT	AAAGCGCGTA	AATCAATTAG	1260
AAAAATTAGAT	GAAATCGTAT	TACTAGAAGG	TTTTATGGAT	GTTATAAAAT	CTGATACTGC	1320
TGGCTTGAAA	AACGTTGTTG	CAACAATGGG	TACACAGTTG	TCAGATGAAC	ATATTACTTT	1380
TATACGAAAG	TTAACATCAA	ATATAACATT	AATGTTTGAT	GGGGATTTTG	CGGGTAGTGA	1440
AGCAACACTT	AAAACAGGTY	CAAAATTTGT	TACAGCAAGG	GCTAAATGTR	TTTKTTATAC	1500
AATTGCCATC	AGGCATGGAT	CCGGATGAAT	ACATTGGTAA	GTATGGCAAC	GATGCATTTM	1560
CTGCTTTTST	AAAAAATGAC	AAAAAGTCAT	TTSCACATTA	TAAAGTGAGT	ATATTAAAAG	1620
ATGAAATTGC	ACATAATGAC	CTTTCATATG	AACGTTATTT	GAAAGAMCTA	AGTCATGATA	1680
TTTCGCTTAT	GAAATCATCG	ATTTTGCAAC	AAAAGGCTTT	AAATGATGTT	GCACCATTTT	1740
TCAATGTTAG	TCCTGAGCAA	TTAGCTAACG	AAATACAATT	CAATCAAGCA	CCAGCCAATT	1800
ATTATCCAGA	AGATGAGTAT	GGCGGTTACA	TTGAACCTGA	GCCAATTGGT	ATGGCACAAT	1860
TTGACAATTT	GAGCCGTCAA	GAAAAAGCGG	AGCGAGCATT	TTTAAACAT	TTAATGAGAG	1920
ATAAAGATAC	ATTTTTTAAAT	TATTATGAAA	GTGTTGATAA	GGATAACTTC	ACAAATCAGC	1980
ATTTTAAATA	TGTATTCGAA	GTCTTACATG	ATTTTTATGC	GGAAAAATGAT	CAATATAATA	2040
TCAGTGATGC	TGTGCAGTAT	GTTAATTCAT	ATGAGTTGAG	AGAAACACTA	ATTAGCTTAG	2100
AACAATATAA	TTTGAATGAC	GAACCATATG	AAAATGAAAT	TGATGATTAT	GTCAATGTTA	2160
TTAATGAAAA	AGGACAAGAA	ACAATTGAGT	CATTGAATCA	TAAATTAAGG	GAAGCTACAA	2220
GGATTGGCGA	TGTAGAATTA	CAAAAATACT	ATTTACAGCA	AATTGTTGCT	AAGAATAAAG	2280
AACGCATGTA	GCATGTGATT	TTAAAGAATA	ATACGAATAA	TGATTATGTC	AAAATGTATA	2340
AGGGTAAATG	ATAGTTACCG	CATTTAAACA	ACACTATTGA	AAAATAAATA	TTGGGATTAG	2400
TTCCAATTTG	TAAAAATAAA	TTAAAAATAT	GGATGAATTA	ATTAAGAATT	TAGTTTAAAA	2460
TAGCAATATT	GAATAAATTT	CGAATGTTCA	TATTTAAAAAT	CGGGAGGCCG	TTTCATGTCT	2520
GATAACACAG	TTAAAATTAA	AAAACAAACA	ATTGATCCGA	CATTAACATT	AGAAGATGTT	2580
AAGAAGCAAT	TAATTGAAAA	AGGTAAAAAA	GAGGGTCATT	TAAGTCATGA	AGAAATTGCT	2640
GAAAAACTTC	AGAATTTTGA	TATCGACTCT	GATCAAATGG	ATGATTTT		2687

(2) INFORMATION FOR SEQ ID NO: 35:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2800 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35:

NTNAATTAAC	ATGCGAGGNC	ACCCCTTTAT	TGCTACTCCA	TACTTCTCAT	AAAATCATAT	60
TAACATAACA	CCCTTAATTG	TCAGACTATT	NAAATAAATA	AAACACTTCA	TTTTTACGCA	120
TTTCTGCCAA	ATTAAGATGA	AGTAAAAGCT	AAGTCGACCT	AAAAAAGCAC	CCTTCTAGTC	180
GATTAATCTA	AAAGGGGTGC	CATATACTTT	AATTTTAATA	CATGATTGAT	TCTAAAAAAG	240
TGAATTATTC	CACAGTAACT	GATTTAGCAA	GGTTACGTGG	TTTATCAACA	TCTAAATCTC	300
TGTGTAATGC	TGCATAGTAT	GAAATTAATT	GTAATGCAAC	CACTGATACT	AATGGCGTTA	360
ACAATTCATG	TACATGAGGA	ATGACATAAG	TGTCGCCTTC	TTTTTCAAGA	CCCTCCATAG	420
AAATAATACA	TGGATGTGCA	CCACGTGCTA	CTACCTCTTT	AACGTTACCA	CGAATTGATA	480
AATTAACCTT	CTCTTGTTG	GCTAAACCTA	CAACTGGTGT	ACCTTCTTCG	ATTAAGGCCAA	540
TTGTACCATT	TTTAAGTTCT	CCACCAGCAA	AACCTTCTGC	TTGAATGTAA	GAAATTTCTT	600
TAAGTTTAA	CGCACCTTCT	AAACTTACGT	TATAGTCAAT	AGTACGTCCG	ATAAANAATG	660
CATTGCGTGT	TGTTTCTAAG	AAATCTGTAG	CAATTTGTTC	CATAATTGGT	GCATCGTCAA	720
CAATTGCTTC	TATTGCTGTT	GTTACTTTTG	CTAATTCTCT	CAATAAATCA	ATATCTGCTT	780
CACGACCATG	CTCTTTTGCA	ACGATTTGAG	ACAAGAWTGA	TAATACTGCA	ATTGTGTCAG	840
WATAWGCTTT	TGTAGATGCA	ACTGCGAWTT	CAGGGACCCG	CGTGTAATAA	CAATGTGTGG	900
TCTGCTTCAC	GTTGATAAAG	TTGAACCTGC	AACATTAGTG	ATTGTTAATG	AWTTATGAMC	960
TAATTTATTA	GTTWCAACTA	AATACGGCGC	GGCTATCTGG	CAGTTTCACC	TGATTGAGAA	1020
ATATAAACGA	ACAATGGTTT	TTAAGATAAT	AATGGCATGT	TGTAGACAAA	CTCTGATGCA	1080
ACGTGTACTT	CAGTTGGTAC	GCCAGCCCAT	TTTTCTAAAA	ATTCTTTACC	TACTAAACCT	1140
GCATGGTGAT	TGTACCTGTC	TGCAATAACG	TAAATGCGGT	CTGCTTCTTT	AACATCAATTG	1200
ATGATGTCTT	GATCAATTTT	CAAGTTACCT	TCTGCATCTT	GATATTCTTG	AATAATACGA	1260
CGCATTACTG	CTGGTTGTTT	ATGAATTTCT	TTTAACATGT	AGTGTGCATA	AACACCTTTT	1320

TCAGCATCTG	ATGCATCAAT	TTCAGCAATA	TATGAATCAC	GTTCTACAAC	GTTTCCATCT	1380
GCATCTTTAA	TAATAACTTC	ATCTTTTTTA	ACAATAACGA	TTTCATGGTC	ATGGRTTCT	1440
TTATATTCGC	TTGTCACTTG	TAACATTGCA	AGTGCGTCTG	ATGCGATAAC	ATTGAAACCT	1500
TCACCAACAC	CTAATAATAA	TGGTGATTTA	TTTTTAGCAA	CATAGATTGT	GCCTTTGHCT	1560
TCAGCATCTA	ATAAACCTAA	TGCATATGAA	CCATGTAATA	ATGACACAAC	TTTTGTAAAT	1620
GCTTCTTCAG	TTGAAAGTCC	TTGATTGAA	AAGTATTCAA	CTAATTGAAC	GATAACTTCT	1680
GTATCTGTTT	CTGAAATGAA	TGATACACCT	TGTAAGTATT	CACCTTTTAA	CTCTTCATAG	1740
TTTTCAATAA	CACCGTTATG	AACTAGAGTA	AAACGGCCAT	TTGATGATTG	ATGTGGATGA	1800
GAGTTTTCAT	GATTTCGGTAC	ACCGTGTGTT	GCCCAACGTG	TGTGACCGAT	TCCAACAGGT	1860
CCATTCAAAA	TCGCTACTAT	CAGCAACTTT	ACGTAATTCT	GCAATACGAC	CTTTTCTTT	1920
AAATACAGTT	GTATTATCAT	YATTTACTAC	TGCGATACCT	GCAGAGTCAT	AACCTCTGTA	1980
TTCTAATTTT	TCTACAACCT	TTTAATAATA	ATTTCTTTGG	CATTATCATA	GCCAATATAA	2040
CCAACAATTC	CACACATAAC	GACATTTTCC	TCCATATTGG	AATAGTACGS	GTAAATTATG	2100
ATTTATTGCC	GATAATTTAG	ATTGACAATC	TGCTTTCATA	ATATAAATAG	GAACATGCTA	2160
TCATCGCATT	CATCCATAAC	AAATTAAGCA	TAGTTATTTT	TACAACTATA	CAAATTGCTC	2220
ACACTGTACT	TTCCATATTA	ATATTTTTTA	TATTCAATTT	CTGGCGATCT	TATTAACCTT	2280
GTCCATTAAG	TCACCCTAAT	GTTTTACTTA	ATAAGCTAAC	GAATGAGCCA	CATCCGGGAT	2340
AGCATCCGCC	GACTATTTCG	ATCACTATCC	TCTTCGTCTA	CAAATACATA	TATTGCATCT	2400
TATAAAGGCC	ACTCATATAT	TAACCTTTAA	TCTTCAAATA	CAAATATTTA	TTTGACACAGG	2460
CGCTTTAACT	GTACTGCCGA	ACTTTCCCCC	TTTCCATTAA	TCATTATTGT	ACAACGGTGT	2520
TGTTTTGTTT	TGCAAAATATT	TTTCAAAATA	AATTTTAAAA	ATCCTAAAAC	AATTTTTTTG	2580
TTTTACTTTT	TCAAAATATC	TATACTGTCA	CATTGATGAC	ACTTTATTTA	ATTTTGTAC	2640
ATTTATTTTG	ACAAAAGTTGA	TTTTTGTTTA	TATTGAGTAA	CAAGTAACCT	CTCTATACAC	2700
TATATATAGT	CACATATATT	AAAAAAGAGG	TGTAAACATG	TCACAACTG	AAGAGAAAAA	2760
AGGAATTGGT	CGTCGTGTTT	AAGCATTG	ATCGACCGCA			2800

(2) INFORMATION FOR SEQ ID NO: 36:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2934 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:

CATGAAATGC	AAGAAGAACG	TCGTATTTGT	TATGTAGCAA	TTACAAGGGC	TGAAGAGGTG	60
TTATATATCA	CTCATGCGAC	ATCAAGAATG	TTATTTGGTC	GCCCTCAGTC	AAATATGCCA	120
TCCAGATTTT	TAAAGGAAAT	TCCAGAATCA	CTATTAGAAA	ATCATTCAAG	TGGCAAACGA	180
CAAACGATAC	AACCTAAGGC	AAAACCTTTT	GCTAAACGCG	GATTTAGTCA	ACGAACAACG	240
TCAACGAAAA	AACAAGTATT	GTCATCTGAT	TGGAATGTAG	GTGACAAAGT	GATGCATAAA	300
GCCTGGGGAG	AAGGCATGGT	GAGTAATGTA	AACGAGGAAA	ATGGCTCAAT	CGAACTAGAT	360
ATTATCTTTA	AATCACAAGG	GCCAAAACGT	TTGTTAGCGC	AATTTGCACC	AATTGAAAAA	420
AAGGAGGATT	AAGGGATGCG	TGATTTATCG	TCTCGTGTGA	ACGRDTTACA	TGATTTATTA	480
AATCAATACA	GTTATGAATA	CTATGTAGAG	GATAATCCAT	CTGTACCAGA	TAGTGAATAT	540
GACAAATTAC	TTTATGAACT	GATTAAATAA	GAAGAGGAGC	ATCCTGAGTA	TAAGACTGTA	600
GATTCTCCAA	CAGTTAGAGT	TGGCGGTGAA	GCCCAAGCCT	CTTTCAATAA	AGTCAACCAT	660
GACACGCCAA	TGTTAAGTTT	AGGGAATGCA	TTTAATGAGG	ATGATTTGAG	AAAATTTCGAC	720
CAACGCATAC	GTGAACAAAT	TGGCAACGTT	GAATATATGT	GCGAATTAAA	AATTGATGGC	780
TTAGCAGTAT	CATTGAAAATA	TGTTGATGGA	TACTTCGTTT	AAGGTTTAAAC	ACGTGGTGAT	840
GGAACAACAG	GTTGAAGATA	TTACCGRAAA	TTTAAAAACA	ATTCATGCGA	TACCTTTGAA	900
AATGAAAGAA	CCATTAAATG	TAGAAKTYCG	TGGTGAAGCA	TATATGCCGA	GACGTTTCATT	960
TTTACGATTA	AATGAAGAAA	AAGAAAAAAA	TGATGAGCAG	TTATTTGCAA	ATCCAAGAAA	1020
CGCTGCTGCG	GGATCATTAA	GACAGTTAGA	TTCTAAATTA	ACGGCAAAAC	GAAAGCTAAG	1080
CGTATTTATA	TATAGTGTCA	ATGATTTTAC	TGATTTCAAT	GCGCGTTTCG	AAAGTGAAGC	1140
ATTAGATGAG	TTAGATAAAT	TAGGTTTTAC	AACGAATAAA	AATAGAGCGC	GTGTAAATAA	1200
TATCGATGGT	GTTTTAGAGT	ATATTGAAAA	ATGGACAAGC	CAAAGAAGAG	TTCATTACCT	1260
TATGATATTG	ATGGGATTGT	TATTAAGGTT	AATGATTTAG	ATCAACAGGA	TGAGATGGGA	1320
TTACACACAA	AATCTCCTAG	ATGGGCCATT	GCTTATAAAT	TTCCAGCTGA	GGAAGTAGTA	1380
ACTAAATTAT	TAGATATTGA	ATTAAGTATT	GGACGAACAG	GTGTAGTCAC	ACCTACTGCT	1440
ATTTTAGAAC	CAGTAAAAGT	AGCTGGTACA	ACTGTATCAA	GAGCATCTTT	GCACAATGAG	1500
GATTTAATTC	ATGACAGAGA	TATTCGAATT	GGTGATAGTG	TTGTAGTGAA	AAAAGCAGGT	1560
GACATATATC	CTGAAGTTGT	ACGTAGTATT	CCAGAACGTA	GACCTGAGGA	TGCTGTCACA	1620
TATCATATGC	CAACCCATTG	TCCAAGTTGT	GGACATGAAT	TAGTACGTAT	TGAAGGCGAA	1680
GTTAGCACTT	CGTTGCATTA	ATCCAAAATG	CCAAGCACAA	CTTGTTGAAG	GATTGATTCA	1740
CTTTGTATCA	AGACAAGCCA	TGAATATTGA	TGGTTTTAGG	ACTAAAATTA	TTCACAGCCT	1800
TTATCAAAGC	GAATTAATTA	AAGATGTTGC	TGATTTTTC	TATTTAACAG	AAGAAGATTT	1860
ATTACCTTTA	GACAGAATGG	GGCAGAAAAA	AGTTGATAAT	TTATTAGCTG	CCATTCAACA	1920

AGCTAAGGAC	AACTCTTTAG	AAAATTTATT	ATTTGGTCTA	GGTATTAGGC	ATTTAGGTGT	1980
TAAAGCGAGC	CAAGTGTKAG	CAGAAAAATA	TGAAACGATA	GATCGATTAC	TAACGGTAAC	2040
TGAAGCGGAA	TTAGTAGAAT	TCATGATATA	GGTGATAAAG	TAGCGCAATC	TGTAGTTACT	2100
TATTTAGCAA	ATGAAGATAT	TCGTGCTTTA	ATTCCATAGG	ATTAAAAAGAT	AAACATGTTA	2160
ATATGATTTA	TGAAGGTATC	CAAAACATCA	GATATTGAAG	GACATCCTGA	ATTTAGTTGGT	2220
AAAACGATAG	TACTGACTGG	TAAAGCTACAT	CCAAATGACA	CGCAATGAAG	CATCTAAATG	2280
GCTTGCATCA	CCAAGGTGCT	AAAGTTACAA	GTAGCGTTAC	TAAAAATACA	GATGTCGTTA	2340
TTGCTGGTGA	AGATGCAGGT	TCAAAATTAA	CAAAAGCACA	AAGTTTAGGT	ATTGAAATTT	2400
GGACAGAGCA	ACAATTTGTA	GATAAGCAAA	ATGAATTAAA	TAGTTAGAGG	GGTATGTCGA	2460
TGAAGCGTAC	ATTAGTATTA	TTGATTACAG	CTATCTTTAT	ACTCGCTGCT	TGTGGTAACC	2520
ATAAGGATGA	CCAGGCTGGA	AAAGATAATC	AAAAACATAA	CAATAGTTCA	AATCAAGTAA	2580
AAGAAATTGC	AACGGATAAA	AATGTACAAG	GTGATAACTA	TCGTACATTG	TTACCATTTA	2640
AAGAAAGCCA	GGCAAGAGGA	CTTTTACAAG	ATAACATGGC	AAATAGTTAT	AATGGCGGCG	2700
ACTTTGAAGA	TGTTTATTG	AACTTAAGTA	AAGAAGTATT	TCCAACAGAT	AAATATTTGT	2760
ATCAAGATGG	TCAATTTTGG	GACAAGAAAA	CAATTAATGC	CTATTTAAAT	CCTAAGTATA	2820
CAAAACGTGA	AATCGATAAA	ATGTCTGAAA	AAGATAAAAA	AGACAAGAAA	GCGAATGAAA	2880
ATTTAGGACT	TAATCCATCA	CACGAAGGTG	AAACAGATCG	ACCTGCAGKC	ATGC	2934

(2) INFORMATION FOR SEQ ID NO: 37:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2515 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:

CSYCGGWACC	CGGGGATCCT	CTAGAGTCGA	TCGTTCCAGA	ACGTATTTCGA	ACTTATAATT	60
ATCCACAAAG	CCGTGTAACA	GACCATCGTA	TAGGTCTAAC	GCTTCAAAAA	TTAGGGCAAA	120
TTATGGAAGG	CCATTTAGAA	GAAATTATAG	ATGCACTGAC	TTTATCAGAG	CAGACAGATA	180
AATTGAAAGA	ACTTAATAAT	GGTGAATTAT	AAAGAAAAGT	TAGATGAAGC	AATTCATTTA	240
ACACAACAAA	AAGGGTTTGA	ACAAACACGA	GCTGAATGGT	TAATGTTAGA	TGTATTTCAA	300
TGGACGCGTA	CGGACTTTGT	AGTCCACATG	CATGATGATA	TGCCGAAAGC	GATGATTATG	360
AAGTTCGACT	TAGCATTACA	ACGTATGTTA	TTAGGGAGAG	CCTATACAGT	ATATAGTTGG	420
CTTTGCCTCA	TTTTATGGTA	GAACGTTTGA	TGTAAACTCA	AATTGTTTGA	TACCAAGACC	480
TGAAACTGAA	GAAGTAATGT	TGCATTCTTT	ACAACAGTTA	GAAGATGATG	CAACAATCGT	540
AGATATCGGA	ACGGGTAGTG	GTGTACTTGC	AATTACTTTG	AAATGTTGAA	AAGCCGGATT	600
TAAATGTTAT	TGCTACTGAT	ATTTCACTTG	AAGCAATGAA	TATGGCTCCG	TAATAATGCT	660
GAGAAGCATC	AATCACAAAT	ACAATTTTTA	ACAGGGGATG	CATTAAAGCC	CTTAATTAAT	720
GAAGGTATCA	AKTTGAACGG	CTTTGATATC	TATCCMCCA	TATATAGATG	AAAAAGATAT	780
GGTTACGATG	TCTCCMACGG	TTACGARATT	CGAACCACAT	CAGGCATTGT	TTGCAGATAA	840
CCATGGATAT	GCTATTTATG	AATCAATCAT	GGAAGATTTA	CCTCACGTTA	TGGAAAAAGG	900
CAGCCCAGTT	GTTTTTGAAG	TTGGTTACAA	TCAAGGTGAG	GCACTTAAAT	CAATAATTTT	960
AAATAAATTT	CCTGACAAAA	AAATCGACAT	TATTAAGATG	ATAAATGGCC	ACGATCGAAT	1020
CGTCTCAATT	AAATGGTAAT	TAGAAGTTAT	GCCTTTGCTA	TGATTAGTTA	AGTGCATAGC	1080
TTTTTGCTTT	ATATTATGAT	AAATAAGAAA	GGCGTGATTA	AGTTGGATAC	TAAATTTGG	1140
GATGTTAGAG	AATATAATGA	AGATTTACAG	CAATATCCTA	AAATTAATGA	AATAAAGAC	1200
ATTGTTTAA	ACGGTGGTTT	AATAGGTTTA	CCAAGTAAA	CAGTTTATGG	ACTGTCAGCA	1260
AATGCGATAG	ATGAAGAAGC	TGTAGCTAAA	ATATATGAAG	CTAAAGGCCG	TCCATCTGAC	1320
AATCCGCTTA	TTGTTCATAT	ACACAGTAAA	GGTCAATTAA	AAGATTTTAC	ATATACTTTG	1380
GATCCACGCG	TAGAAAAGTT	AATGCAGGCA	TTCTGGCCGG	GCCCTATTTT	GTTTATATTG	1440
CCGTTAAAGC	TAGGCTATCT	ATGTCGAAAA	GTTTCTGGAG	GTTTATCATC	AGTTGCTGTT	1500
AGAATGCCAA	GCCATTCTGT	AGGTAGACAA	TTATTACAAA	TCATAAATGA	ACCTCTAGCT	1560
GCTCCAAGTG	CTAATTTAAG	TGGTAGACCT	TCACCAACAA	CTTTCAATCA	TGTATATCAA	1620
GATTTGAATG	GCCGTATCGA	TGGTATTGTT	CAAGCTGAAC	AAAGTGAAGA	AGGATTAGAA	1680
AGTACGGTTT	TAGATTGCAC	ATCTTTTCCT	TATAAAATTG	CAAGACCTGG	TTCTATAACA	1740
GCAGCAATGA	TTACAGAAAT	AMTTCCGAAT	AGTATCGCCC	ATGCTGATTA	TAATGTAATC	1800
GAACAGCCAA	TTGCACCAGG	TATGAAGTAT	AAGCATTACT	CAACCCAATA	CACCACTTAC	1860
AATTATTACA	GATATTGAGA	GCAAAATTGG	AAATGACGGT	AAAGATTRKW	MTTCTATAGC	1920
TTTTATTGTG	CCGAGTAATA	AGGTGGCGTT	TATACCAAGT	GARSCGCAAT	TCATTCAATT	1980
ATGTCAGGAT	GMCAATGATG	TTAAACAAGC	AAGTCATAAT	CTTTATGATG	TGTTACATTC	2040
ACTTGATGAA	AATGAAAATA	TTTCAGCGGC	GATATATATC	GGCTTTGAGC	TGAATGATAA	2100
TACAGAAGCA	ATTATGAATC	GCATGTTAAA	AGCTGCAGGT	AATCACATTA	TTAAAGGATG	2160
TGAACTATGA	AGATTTTATT	CGTTTGTACA	GGTAACACAT	GTCGTAGCCC	ATTAGCGGGA	2220
AGTATTGCAA	AAGAGGTTAT	GCCAAATCAT	CAATTTGAAT	CAAGAGGTAT	ATTCGCTGTG	2280
AACAATCAAG	GTGTTTCGAA	TTATGTTGAA	GACTTATGTT	AAGAACATCA	TTTGCTGATA	2340
ACGACCTTAT	CGCAACAATT	TACTGAAGCA	GATTTGAAAG	CAGATATTAT	TTTGACGATG	2400

TCGTATTTCGC	ACAAAGAATT	AATAGAGGCA	CACTTTGGTT	TGCAAAATCA	TGTTTTTACA	2460
TTGCATGAAT	ATGTAAAAGA	AGCAGGAGAA	GTTATAGATC	GACCTGCAGG	CATGC	2515

(2) INFORMATION FOR SEQ ID NO: 38:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2635 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:

ATTCTCTGTG	TTGGGGCCCC	TGACTAGAGT	TGAAAAAAGC	TTGTTGCAAG	CGCATTTTTCA	60
TTCAGTCAAC	TACTAGCAAT	ATAATATTAT	AGACCCCTAGG	ACATTGATTT	ATGTCCCAAG	120
CTCCTTTTAA	ATGATGTATA	TTTTTAGAAA	TTTAATCTAG	ACATAGTTGG	AAATAAATAT	180
AAAACATCGT	TGCTTAATTT	TGTCATAGAA	CATTTAAATT	AACATCATGA	AATTCGTTTT	240
GGCGGTGAAA	AAATAATGGA	TAATAATGAA	AAAGAAAAAA	GTAAGAGTGA	ACTATTAGTT	300
GTAACAGGTT	TATCTGGCGC	AGGTAAATCT	TTGGTTATTC	AATGTTTAGA	AGACATGGGA	360
TATTTTTGTG	TAGATAATCT	ACCACCAGTG	TTATTGCCTA	AATTTGTAGA	GTTGATGGAA	420
CAAGGGAAAT	CCATCCTTAA	GAAAAAGTGG	CAATTGCAAT	TGATTTAAGA	RGTAAGGAAC	480
TATTTAATTC	ATTAGTTGCA	GTAGTGGATA	AAGTTCAAAA	GTTGAAAGTG	ACGTCAATCAT	540
TGATGTTATG	TTTTTAGAAG	CAAGTACTGA	AAAAATTAAT	TCAAGATATA	AGGAAACGCG	600
TCCKTGACACA	TCCTTTGATG	GAACAAGGTT	AAAAGATCGT	TAATCAATGC	MATTAATGAT	660
GAGCGAGAGC	ATTTGTCTCA	AATTAGAAGT	ATAGCTAATT	TTGTTATAGA	TAACACAAA	720
GTTATCACCT	AAAGAATTAA	AAGAACGCAT	TCGTGATAC	TATGAAGATG	AAGAGTTTGA	780
AACTTTACCA	ATTAATGTCA	CAAGTTTCGG	TTTAAACAT	GGGATTTCAGA	TGGATGCAGA	840
TTTAGTATTT	GATGTACGAT	TTTTACCAAA	TCCATATTAT	GTAGTAGATT	TAAGACCTTT	900
AACAGGATTA	GATAAAGACG	TTTATAATTA	TGTTATGAAA	TGGAAAGAGA	CGGAGATTTT	960
TCTTTGAAAA	ATTAAGTAT	TTGTTAGATT	TTATGATACC	CGGGTWTAAA	AAAGAAAGGA	1020
AATCTCAATT	AGTAATTGCC	ATCGGTTGTA	CGGGTGGGAC	AACATCGATC	TGTAGCATT	1080
GCAGAACGAC	TAGGTWATTA	TCTAAATGAA	GTWTTTGAAT	ATAATGTTTA	TGTGCATCAT	1140
AGGGACGCAC	ATATTGAAAG	TGGCGAGAAA	AAATGAGACA	AATAAAAGTT	GTACTTATCG	1200
GGTGGTGGCA	CTGGCTTATC	AGTTATGGCT	AGGGGATTAA	GAGAATTCCT	AATTGATATT	1260
ACGGCGATTG	TAACAGTTGC	TGATAATGGT	GGGAGTACAG	GGAAAATCAG	AGATGAAATG	1320
GATATACAGG	CACCAAGGAT	CATCAGAAAT	GTGATTGCAG	CTTTAAGTGA	TTCTGATGCA	1380
GTTTTAAGCC	AACTTTTTCA	GTATCGCTTT	GAAGAAAATC	AAATTAGCGG	TCACTCATT	1440
GGTAATTTAT	TAATCGCAGG	TATGACTAAT	ATTACGAATG	ATTTCTGGACA	TGCCATTTAA	1500
GCATTAAGTA	AAATTTTAAA	TATTTAAAGG	AGAGTCATTC	CATCTACAAA	TACAAGTGTG	1560
CAATTAAGAT	CTGTTATGGA	AGATGGAGAA	ATTGTTTGTG	GAGAAACAAA	TATTCCTAAA	1620
AAACATAAAA	AAATTGATCG	TGTGTTTTTA	GAACCTAACG	ATGTGCAACC	AATGGAAGAA	1680
GCAATCGATG	CTTTAAGGGA	AGCAGATTTA	ATCGTTCTTG	GACCAGGGTC	ATTATATACG	1740
AGCGTTATTT	CTAAGTTATG	TTKTGAATGG	TATTTTCAGT	GCGTTWATTC	ATTCTGATGC	1800
GCCTAAGCTA	TATGTTTCTA	ATGTGATGAC	GCAACCTGGG	GAAACAGATG	GTTATAGCGT	1860
GAAAGATCAT	ATCGATGCGA	TTCATAGACA	AGCTGGACAA	CCGTTTATTG	ATTATGTCAT	1920
TTGTAGTACA	CAAACCTTCA	ATGCTCAAGT	TTGAAAAAAA	TATGAAGAAA	AACATTTCTA	1980
ACCAGTTGAA	GTTAATAAGG	CTGAACTKGA	AAAAGAAAAG	ATAAATGTAA	AAACATCTTC	2040
AAATTTAGTT	GAAATTTCTG	AAAATCATT	AGTAAGACAT	AATACTAAAG	TGTTATCGAC	2100
AATGATTTAT	GACATAGCTT	TAGAATTAAT	TAGTACTATT	CCTTTCGTAC	CAAGTGATAA	2160
ACGTAAATAA	TATAGAACGT	AATCATATTA	TGATATGATA	ATAGAGCTGT	GAAGAAAAATG	2220
AAAATAGACA	GTGGTTCTAA	GGTGAATCAT	GTTTTAAATA	AGAAAGGAAT	GACTGTACGA	2280
TGAGCTTTGC	ATCAGAAATG	AAAAATGAAT	TAAGTAGAAT	AGACGTCGAT	GAAATGAATG	2340
CAAAAGCAGA	GCTCAGTGCA	CTGATTTCGAA	TGAATGGTGC	ACTTAGTCTT	TCAAATCAAC	2400
AATTTGTTAT	AAATGTTCAA	ACGGAAAAATG	CAACAACGGC	AAGACGTATT	TATTCGTTGA	2460
TTAAACGTGT	CTTTAATGTG	GAAGTTGAAA	TATTAGTCCG	TAAAAAAATG	AAACTTAAAA	2520
AAAATAATAT	TTATATTTGT	CGTACAAAGA	TGAAAGCGAA	AGAAATTCTT	GATGAATTAG	2580
GAATTTTAAA	AGACGGCATT	TTTACGCATG	AAATTGATCG	ACCTGCAGGC	ATGCA	2635

(2) INFORMATION FOR SEQ ID NO: 39:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1952 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear



(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:

TGCATGTACA	GCAGGCTCTA	CACAACCGTC	GCATGTTTTA	GATGCAATGT	TCGAAGATGA	60
GGAGCGATCA	AATCATTTCGA	TTCGATTTAG	TTTTAACGAA	TTGACTACTG	AAAATGAAAT	120
TAATGCAATT	GTAGCTGAAA	TTCATAAAAT	ATATTTTAAA	TTTAAGGAGG	AGTCATAATT	180
GTCAAATAAA	GATATAACGT	GTTGTCGTTG	GTATGTCAGG	CGGTGTAGAT	AGTTCTGTAA	240
CAGCCCACGT	CTTAAAAGAA	CAAGGTTATG	ATGTCATTGG	CATATTTATG	AAAAACTGGG	300
ATGACACTGA	CGAAAATGGC	GTATGTACTG	CAACTGAAGA	TTACAACGAT	GTTATTGAAG	360
TGTGTAATCA	AATTGGCATT	CCGTATTACG	CTGTTAATTT	TGAAAAAGAA	TATTGGGATA	420
AAGTCTTTAC	GTATTTCTTA	GATGAATACA	AAAAAGGTCG	TACTCCAAAT	CCAGACGTTA	480
TGTGTAATAA	AGAAATTAAG	TTTAAAGCCT	TTTTAGATCA	TGCGATGAAT	TTAGGTGCAG	540
ATTATGTAGC	AACAGGACAT	TACGCACGCA	TACATCGTCA	TGAASRTGGT	CATGTTGAAA	600
TGTTACGTGG	TGTAGATAAT	AATAAAGATC	ARACATACTK	CWKGMATGCA	AKTATCTCAA	660
CAACAACCTTT	CAAAAGTGAT	GTTCCCAATT	GGCGACATCG	AAAAGAGTGA	AGTGCGTCGA	720
ATTGCTGAAG	AACAAGGACT	TGTTACTGCT	AAGAAAAAAG	ATTCTACAGG	CATTTGTTTT	780
ATCGGCGAAA	AAAACCTTAA	AACATTTTTA	TCACAATATT	TACCTGCACA	ACCGGGTGAT	840
ATGATAACAC	TTGATGGTAA	GAAAATGGGT	GAAACATAGTG	GTTTGATGTA	TTACACAATA	900
GGACAAAGAC	ATGGATTAGG	TATAGGTGGG	AGATGGCGAT	CCTTGGTTTG	TTGTCGGTAA	960
AAACCTAAAA	GATAATGTTT	TATATGTWGA	ACAAGGATCC	ATCACGATGC	ATTATACAGT	1020
GATTACTTAA	TTGCTTCAGA	CTATTCATTT	GTAATCCCCA	GAAGATAATG	ACTTAGATCA	1080
AGGTTTTTGA	TGTACAGCTA	AATTTAGATA	TCGCCAAAAA	GATACGAAAG	TTTTTG TGAA	1140
ACGTGAAAAA	CGACCATGCA	CTACGTGTTA	CTTTTGCTGA	GCCAGTAAGA	GCAATCACAC	1200
CTGGACAAGC	AGTTGTTTTT	TATCAAGGTG	ATGTGTTGTC	TTGGTGGTGC	AACAATTGAC	1260
GACTGKTTCA	AAAATGAAGG	TCAATTAAAT	TATGTTGTAT	ANACAATGGC	AACAATAAAT	1320
TACTTATTTG	AAGTTTCNAC	GTTGAAAATG	ACGAAAGACA	GTTTTTGATG	AGAATAATTC	1380
ATGAGGATAG	AGTCTGGGAC	ATCACAATGT	CCTAGGCTCT	ACAATGTTAT	ATKGGCGGGA	1440
CCACAACATA	GAGAATTTTCG	TAAAGAAATT	CWACAGGCAA	TGCCAGTTGG	GGATAACGAA	1500
TTTAATTTTG	TTAAAATATC	ATTTCTGTCC	CACTCCCTAT	GCATGAATCT	AATTATGTAT	1560
TCTTATTTTT	AGTACATAAA	TAGTGGTGCG	TAATGTGGAA	GAACCATTAC	ATAATAAACC	1620
GTTAATGGTT	CTTAAGCATT	TYTATTCAT	TCCCCTTTT	TCATGAATGA	AGATGATATT	1680
AGATTATATT	TTATTCGTTG	TTAAGTGATT	CGAGACATAC	AATTTATCAA	GATGTTTATA	1740
ATTGATGAGA	AATGAGGTTT	GTAATGATA	GATCAACAAA	CAATTTATCA	ATACATACAA	1800
AATGGAAAAA	TAGAAGAAGC	GTTACAAGCA	TGTGTCGGAA	ATATCGAAGA	AAATCCTACA	1860
ATTATTGAAA	ATTATATTAA	TGCTGGTATC	GTAATTGCTG	ATGCGAATGA	GATTGAAAAG	1920
GCAGAGCGTT	TTTTCCAAAA	AGCTTTAACA	AT			1952

(2) INFORMATION FOR SEQ ID NO: 40:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2273 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:

TAACCAATAT	TGATAAAACC	TTGATGTGTT	TCGTGTCAAT	GACATACCAT	ATCGACTAGG	60
TACCTTTTTA	GAATGTTGAT	TAATCACAAC	AAATATCATG	GCAAGGTCAT	CTTCAAAATG	120
ATTCGATTCA	AGTGAACCGG	CATATGACGT	CTCATCACTA	TACCCTTTTT	CCCATTCTGC	180
AAATCCACCA	TAAATACTAC	GCGACGCAGA	ACCCGAACCA	ATTCGCGCCA	ATCTCGATAA	240
ATCCTTATCT	GACAGCTGCA	TGTCTAGCGC	TTGATTACAA	GCTGCTGCTA	AAGCTGCATA	300
TGCGCTTGCC	GATGAAGCCA	ACCCTGCTGC	TGTTGGTACA	AAATTGTCGC	TTTCAATTTT	360
TGCATACCAA	TCGATGCCAG	CTCTATTTCT	GACAATATCC	ATATATTTTG	AAATTTTCTC	420
TAATTCCTTG	CCACTAACCT	TTTCACCATT	CAACCAAAAT	TGATCCTGTG	TTAACTGGTC	480
GTTAAAAGTG	ACTTTCGTTT	CAGTGTWAAA	TTTTTCTAAT	GTWACAGATA	TGCTATTATT	540
CATTGGAATG	ATTAGTGCTT	CATCTTTTTT	ACCCCAATAT	TTTATAAGTG	CAATATTCGT	600
ATGTGCACGT	GCTTTGCCAC	TTTTAATCAA	CGCATTAAAC	TCCTAAATTC	TCAATCCAAG	660
TATGTGCTGC	ACCAGCTTTT	TCTACAGCTT	TTACAATATT	TTTCGCTGTT	GGTAAATCTT	720
TGGCAAGCAA	TAACATACTT	CCACCACGAC	CAGCGCCAGT	AAGTTTTCCA	GCAATCGCAC	780
CATTTTCTTT	ACCAATTTTC	ATTAATTGTT	CTATTTTATC	ATGACTAACT	GTCAACGCCT	840
TTAAATCCGC	ATGACATTCA	TTAAAAATAT	CCGCTAAGGS	TTCAAGTTTA	TGATGTTCAA	900
TCACATCACT	CGCACGTAAA	ACTAACTTAC	CGATATGTTT	TACATGTGAC	ATGTACTGAG	960
GGTCCTCACA	AAGTTTATGA	ACATCTTCTA	CTGCTTGCTT	TGTTGAACCT	TTACACCCAG	1020
TATCTATAAC	AACCATATAG	CCGTCTAAAC	TTAACGTTTT	CAACGTTTCA	GCATGACCTT	1080
TTTGGAAACCA	AACCTGGTTT	CCTGATACAA	TCGTTGCGT	ATCAATACCA	CTTGGTTTAC	1140
CATGTGCAAT	TTGCTCTGCC	CAATTAGCCT	TTTCAATGAG	TTCTTCTTTC	GTTAATGATT	1200
TCCCTAAAAA	ATCATAACTT	GCACGAACAA	AAGCAACCGC	GACAGCTGCA	CTCGATCCTA	1260
ATCCACGTGA	TGGTGGTAAA	TTGTTTTGGA	TCGTTACTGC	TAGCGGCTCT	GTAATATTAT	1320

TTAATTCTAC	AAAACGGTTC	ACCAAAGAMT	TAAGATGGTC	AGGCGCATCA	TATAAACATA	1380
CCATCGTAAA	ACATCGCTTT	TAATAGAGGA	ATAGTTCCTG	CTCTCTAAGG	TTCTATTAAA	1440
ACTTTGATT	TAACCGGCGT	TAAACGGTAC	TGCAATAGCA	GGCTCTCCAA	ATGTAACAGC	1500
ATGTTCTCCT	ATTAAAATAA	TCTTACCTGT	CGATTCCCCA	TATCCTTTTC	TTGTCATGTC	1560
AATATCACCT	TTTATATTTA	TCCTAWACTT	GATTCATTAT	TTTTATTTAT	TAGTAAAAGA	1620
CATCATATTC	TAAGTKGCAW	ACGCATTTCG	GTAAATTTTC	ATTGCAGTCT	TTATCTCACA	1680
TTATTTCATAT	TATGTATAAT	CTTTATTTTG	AATTTATATT	TGACTTAACT	TGATTAGTAT	1740
AAAACCTAAT	TTCGTTTACT	TCAAAGTTTA	AATCTTATCG	AGTGATATTT	CAGATTCTTT	1800
ATCTTTTTAT	AAAATAGCCC	TACAATTTAT	AATTTTCCAC	CCTAACTATA	ATACTACAAA	1860
TAATAATTGG	AATATATAGA	TTTACTACTA	AAGTATTAGA	ACATTTCAAT	AGAAGGTCGT	1920
TTCTTTTCATA	GTCATACGCA	TTATATATAC	CCTATTCTCA	ATCTATTTAA	TACGTAAAC	1980
ATGAAATTTT	CTTATTAAAT	TTATTATTTT	CATCATATCA	TTACTTTTAA	TTTAATGATG	2040
TTCAATTTAA	TATTAGGTC	AATAACATAT	TTATGCTTTT	TATGGATACT	TTCAAAAATA	2100
ACAGCCCCAA	ACGATAACTT	GAAAGGGGCT	GTAAATATT	TAAGTATTGC	ATTTGATCKA	2160
TCATTTYTMKW	GKWTCTYYYSR	RTMMYKWKMT	CRAAATACGT	ATCGTATCTT	TGCCATTCTT	2220
CTTGAGTAAT	TGGCGTCATA	TTTAATACAC	CGCCAAGATC	GACCTGCAGG	CAT	2273

(2) INFORMATION FOR SEQ ID NO: 41:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	928 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:

TCCTCTAGAG	TCGATCAATA	TGAGTATTAT	TATCAAAAAA	TGCTAAATNA	GCATAACAAA	60
AGTAAAGGCG	AGTAATAATA	TGGATAAATC	ATTATTTGAA	YAGGCAAGGC	CTATATTAGA	120
ACAAATTCAA	GACAATGGTT	TTNAAGCATA	TTATGTAGGT	GGCTCTGTAA	GAGATTATGT	180
CATGGGAAGA	AATATTCATG	ATATAGATAT	CACAACAAGT	GCAACGNCGG	ATGAAATAGA	240
ATCTATCTTT	AGTCATACGA	TACCTGTAGG	TAAAGAACAT	GGCACGATAA	ATGTAGTTTT	300
TAATGATGAA	AATTATGAAG	TGACAACATT	CCGGGCTGAA	GAAGATTATG	TCGATCACCG	360
TAGACCAAGT	GGTGTTCACAT	TTGTTCGTGA	TTTATACGAR	GATTTGCAAC	GACGAGATTT	420
CACGATGAAT	GCGATAGAAT	GGATACAGCA	TACAAATTGT	ATGATTATTT	TGATGGTCAA	480
CAAGATATTA	ATAATCGAWT	AATAAGAACT	TAGGTTATAG	CTGAGGAACG	TTCCAAGAAG	540
ATGCTTTACG	TATGATTCTGA	TGTTTAAGGT	TCCAGTCACA	ATTATCATTT	GATATTGCAA	600
CGGAAACATT	CGAAGCGATG	CGTATACAAA	TGGCAGATAT	TAAATTTTTA	TCAATTGAGC	660
GTATAGTGAT	TGAACCTAAT	AAATTAATGC	GAGGTATTAA	TGTTGAAAAG	AGTTTTAATC	720
ATTTAAATC	GCTGAAAGCA	TTTAATTATA	TGCCGTATTT	CGAACATCTT	GATATGAATC	780
AAATTAATGT	AACTGAAGCA	ATTGATTAG	AATTGTTGAT	TGCTATAGTA	TCAGTTAAAT	840
TTGATATTAA	TTACTCATTG	AAGCCTTTAA	AGCTAAGTTA	ACCGACAAGT	TAAAAGATAT	900
CAATCAATAT	ATTCAAATTA	TGAATGCA				928

(2) INFORMATION FOR SEQ ID NO: 42:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2119 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:

TGCATGCCTG	CAGGTCGATC	TAATATAGTT	TCCGCTAAAT	ATAATTGTTG	CGGTCGATAT	60
GTTAAGCCAR	GTGATCTAC	AGCTTTGCTA	TATAAAGACT	TCAAGCTGCC	ATTATAATTT	120
GTTGTCGGCT	TTTTAAAATC	AAGTTGCTTA	CGATAGATAA	TCTGTTTCGAA	CTTTTCGTAC	180
GATTATCCA	ATGGCTTTGC	ATCATATTGC	CTAACCATCT	CAAAGAAAAT	ATCATACAAA	240
TCGTATTTCA	ACTGTTTACT	TAAATAATAT	AATTGCTTCA	AAGTATCTAA	CGGTAACCTT	300
TCAAATTTT	CAAAAGCTAA	TATCATCAAT	TAGAGCTAG	TAGCGGCATC	TTGTCAGCT	360
CGATGGGCAT	TTGCTAAGGT	AATACCATGT	GCCTCTGCTA	ATTCACCTTA	TTGATAGCTT	420
TTATCTGTAG	GAAAAGCTAT	TTTAAAGATT	TCTAGTGTAT	CTATAACTTT	TTTGGGACGA	480
TATTGAATAT	TACAATCTTT	AAATGCCTTT	TTAATAAAAT	TCAAATCAAA	ATCTACATTA	540
TGAGCTACAA	AAATGCAATC	TTTWATCTTA	TCTGATGATT	CTTGTCGCAAC	TTGATTAAAA	600
TATGGCGCTT	GTTGTAGCAT	ATTTKCTTCA	ATGGATGTTA	ACGCWTGAAT	GAACGGCGGA	660
AWCTCTAAAT	TTGTTCTAAT	CATAGAATGA	TATGTATCAA	TAATTTGGTT	ATTGCGSACA	720

AACGTTATAC	CAATTTGAAT	GATATCGTCA	AAATCTAATT	GGTTGCCTGT	TGTTTCCAAA	780
TCCACAACGG	CATAGGTTGC	CATACCCATA	GCTATCTCTC	CTTGCTTTAG	TGTTAAAAAT	840
CTATATCTGC	ACTAATTTAA	CGGTGTGATT	CACCCGCTTC	ATCTCTAACA	ATTAGATAGC	900
CATCGTAATC	TAAATCAATT	GCTTGTCTTT	TAAACTGTTT	ATCATTCTCT	GTAAATAGCA	960
ACGTTCTATT	CCAAATATTA	GAAGCTGCAG	TATATTCTTC	ACGAATTTCA	GAATAAGGTA	1020
ACGTTAAAAA	TTGATTATAT	CTTTTTYCAA	TTTCTTGAAG	TAATATCTCT	AAAAATTGAT	1080
ATCTATCTAA	TTWATTTTTA	TCATGTAATT	GTATACTTGT	TGCTCTATGT	CTAATACTTY	1140
CATCAAAGTT	TTCTAGTTGT	TTGCGTTCAA	ATTAATACCT	ATACCACATA	TTATTGCTTC	1200
TATACCATCC	ATTATTAGCA	ACCATTTCAG	TTAAGAAACC	ACACACTTTA	CCATTATCAA	1260
TAAATATATC	ATTGGGCCAT	TTCACCTTGA	CTTCATCTTG	ACTAAAATGT	TGAATCGCAT	1320
CTCTTATCCC	TAATGCAATA	AATAAATTAA	ATTTAGATAT	CATTGAGAAT	GCAACGTTAG	1380
GTCTTAACAC	GACAGACATC	CAAAGTCCTT	GCCCTTTTGA	AGAACTCCAA	TGCTTATTAA	1440
ATCGCCACG	ACCTTTTCGT	TGTTTCATCAC	TCAAGATAAA	AAATGAAGAT	TGATTTCCAA	1500
CAAGTGACTT	TTTCGCAGCA	AGTTGTGTAG	AACTTATTGA	ATCGTATACT	TCACTAAAAAT	1560
CAAACAAAGC	AGAACTTTTT	GTATATTGGT	CTATTATACC	TTGATACCAA	ATATCTGGGA	1620
GCTGTTGTAA	TAAATGCCCT	TTATGATTTA	CTGAATCTAT	TTTACATCCC	TCTAACTTTA	1680
ATTGGTCAAT	CACCTTTTTT	ACTGCAGTGC	GTGGAAATAT	TAAGTTGATT	CCGCAATGCT	1740
TTGTCCAGAA	TATATAATTC	GGTTTATTTT	TATAGAGTAA	TTGAAGTTAC	ATCTTGACTA	1800
TATTTTNACA	TGATTATCCA	CCCATTTCAA	AATTNCAGTT	TCTNCGTTGC	TTACTTTACC	1860
TGTNACAATC	GCTATCTCAA	TTTGTCTTAG	CACATCTTTT	AACCACGGAC	CACCTTTGGC	1920
ATTTAAATGT	GCCATAAGTA	CACCGCCATT	AACCATCATG	TCTTTNCTAT	TATGCATAGG	1980
TAAACAGTGT	AATGTTTCAT	CAATCGTTTG	AAGTTPAACG	CTTAATGGTT	CATGCTCTTG	2040
GTATCATAA	GCCTGTNTCA	AGCGTTCTNC	AANCATGTAC	AGTTNTTCAA	TGTGGNGTGT	2100
CCGNATTAAC	GCTATTCAA					2119

(2) INFORMATION FOR SEQ ID NO: 43:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1407 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

TTCACAGTGT	TGTCGGGATA	CGATATAGTA	CACTGTACAG	TACGNTGGAG	ATTTATTAGA	60
TTTTCACAGA	ATTNTGAAAA	TAAGACNACG	GGTCATGGAA	ATGTTACTAT	TACCTGAACA	120
AAGGCTATTA	TATAGTGATA	TGGTTGNTCG	TATTTTATTC	AATAATTCAT	TAAAAATATTA	180
TATGAACGAA	CACCCAGCAG	TAACGCACAC	GACAATTCAA	CTCGTAAAAG	ACTATATTAT	240
GTCTATGCAG	CATTCTGATT	ATGTATCGCA	AAACATGTTT	GACATTATAA	ATACAGTTGA	300
ATTTATTGGT	GAGAATTGGG	ATAGAGAAAT	ATACGAATTG	TGGCGACCAA	CATTAATTCA	360
AGTGGGCATT	AATAGGCCGA	CTTATAAAAA	ATTCTTGATA	CAACTTAAAG	GGAGAAAAGTT	420
TGCACATCGA	ACAAAATCAA	TGTTAAAACG	ATAACGTGTA	CATTGATGAC	CATAAACTGC	480
AATCCTATGA	TGTGACAATA	TGAGGAGGAT	AACCTTAATGA	AACGTGTAAT	AACATATGGC	540
ACATATGACT	TACTTCACTA	TGGTCATATC	GAATTGCTTC	GTCGTGCAAG	AGAGATGGGC	600
GATTATTTAA	TAGTAGCATT	ATCAACAGAT	GAATTTAATC	AAATTAAACA	TAAAAAATCT	660
TATTATGATT	ATGAACAACG	AAAAATGATG	CTTGAATCAA	TACGCTATGT	CRTATTTAGT	720
CATTCCAGAA	AAGGGCTGGG	GACAAAAAGA	AGACGATGTC	GAATAATTG	ATGTAGATGT	780
TTTTGTATG	GGACATGACT	GGGAAGGTGA	ATTTCGACTTC	TTAAAGGATA	AATGTGAAGT	840
CATTTATTTA	AAACGTACAG	AAGGCATTTT	GACGACTAAA	ATCAAACAAG	AATTATATGG	900
TAAAGATGCT	AAATAAATTA	TATAGAACTA	TCGATACTAA	ACGATAAATT	AACCTAGGTT	960
ATTATAAAAT	AAATATAAAA	CGGACAAGTT	TCGCAGCTTT	ATAATGTGCA	ACTTGTCCGT	1020
TTTTAGTATG	TTTTATTTTC	TTTTTCTAAA	TAAACGATTG	ATTATCATAT	GAACAATAAG	1080
TGCTAATCCA	GCGACAAGGC	ATGTACCACC	AATGATAGTG	AATAATGGAT	GTTCTTCCCA	1140
CATACTTTTA	GCAACAGTAT	TTGCCTTTTG	AATAATTGGC	TGATGAACTT	CTACAGTTGG	1200
AGGTCCATAA	TCTTTATTAA	TAAATTCTCT	TGGATAGTCC	GCGTGTACTT	TACCATCTTC	1260
GACTACAAGT	TTATAACTCT	TTTTACTAAA	ATCATTGGT	AAAACATCGT	AAAGATCATT	1320
TTCAACATAA	TATTTCTTAC	CATTTATCCT	TTGCTCACCT	TTAGACAATA	TTTTTACATA	1380
TTTATACTGA	TCAAATGAVC	GTTCCAT				1407

(2) INFORMATION FOR SEQ ID NO: 44:

(i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH:	1996 base pairs
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

TCCTCTAGAG	TCGATCGTAT	TAAATTATCA	AATAACGCTG	AAAAGGTTAC	GACGCCAGGT	60
AAGAAAAATG	TATATCGCAT	TATAAACAAAG	AAAACAGGTA	AGGCAGAAGG	CGATTATATT	120
ACTTTGGAAA	ATGAAAATCC	ATACGATGAA	CAACCTTTAA	AATTATTCCA	TCCAGTGCAT	180
ACTTATAAAA	TGAAATTTAT	AAAATCTTTC	GAAGCCATTG	ATTTGCATCA	TAATATTTTAT	240
GAAAATGGTA	AATTAGTATA	TCAAATGCCA	ACAGAAGATG	AATCACGTGA	ATATTTAGCA	300
CTAGGATTAC	AATCTATTTG	GGATGAAAAT	AAGCGTTTCC	TGAATCCACA	AGAATATCCA	360
GTCGATTTAA	GCAAGGCATG	TTGGGATAAT	AAACATAAAC	GTATTTTTGA	AGTTGCGGAA	420
CACGTTAAGG	AGATGGAAGA	AGATAATGAG	TAAATTACAA	GACGTTATTG	TACAAGAAAT	480
GAAAGTGAAA	AAGCGTATCG	ATAGTGCTGA	AGAAATTATG	GAATTAAAGC	AATTTATAAA	540
AAATTATGTA	CAATCACATT	CATTTATAAA	ATCTTTAGTG	TTAGGTATTT	CAGGAGGACA	600
GGATTCTACA	TTAGTTGGAA	AACTAGTACA	AAGTCTGTGT	AACGAATTAC	GTGAAGAAGG	660
CATTGATTGT	ACGTTTATTG	CAGTTAAATT	ACCTTATGGA	GTTCAAAAAG	ATGCTGATGA	720
AGTTGAGCAA	GCCTTTCGAT	TCATTGAACC	AGATGAAATA	GTAACAGTCA	ATATTAAGCC	780
TGCAGTTGAT	CAAAGTGTGC	AATCATTAAG	AGAAGCCGGT	ATTGTTCTTA	CAGATTTCCA	840
AAAAGGAAAT	GAAAAAGCGC	GTGAACGTAT	GAAAGTACAA	TTTCAATTG	CTTCAAACCG	900
ACAAGGTATT	GTAGTAGGAA	CAGATCATTG	AGCTGAAAAT	ATAACTGGGT	TTTATACGAA	960
GTACGGTGAT	GGTGCTGCAG	ATATCGCACC	TATATTTGGT	TTGAATAAAC	GACAAGGTCG	1020
TCAATTATTA	GCGTATCTTG	GTGCGCCAAA	GGAATTATAT	GAAAAACGCG	CAACTGCTGA	1080
TTTAGAAGAT	GATAAACAC	AGCTTCCAGA	TGAAGATGCA	TTAGGTGTAA	CTTATGAGGC	1140
GATTGATAAT	TATTTAGAAG	GTAAGCCAGT	TACGCCAGAA	GAACAAAAAG	TAATTGAAAA	1200
TCATTATATA	CGAAATGCAC	ACAAACGTGA	ACTTGCATAT	ACAAGATACA	CGTGGCCAAA	1260
ATCCTAATTT	AATTTTCTCT	TCTAACGTGT	GACTTAAATT	AAATATGAGT	TAGAATTAAT	1320
AACATTAAAC	CACATTCAGC	TAGACTACTT	CAGTGTATAA	ATTGAAAGTG	TATGAACTAA	1380
AGTAAGTATG	TTCATTGAG	AATAAATTTT	TATTTATGAC	AAATTTCGCTA	TTTATTTATG	1440
AGAGTTTTCG	TACTATATTA	TATTAATATG	CATTCATTAA	GGTTAGGTTG	AAGCAGTTTG	1500
GTATTTAAAG	TGTAATTGAA	AGAGAGTGGG	GCGCCTTATG	TCATTTCGTAA	CAGAAAATCC	1560
ATGGTTAATG	GTACTAACTA	TATTTATCAT	TATGTTTGTG	TATGTAACGT	TTTAAACGAT	1620
GCGAACAATT	TTAACGTTGA	AAGGTTATCG	TTATATTGCT	GCATCAGTTA	GTTTTTTAGA	1680
AGTATTAGTT	TATATCGTTG	GTTTAGGTTT	GGTTATGTCT	AATTTAGACC	ATATTTCAAAA	1740
TATTATTGCC	TACGCATTTG	GTTTTTCAAT	AGGTATCATT	GTTGGTATGA	AAATAGAAGA	1800
AAAACCTGGC	TTAGGTTATA	CAGTTGTAAA	CGTAACCTCA	GCAGAAATATG	AGTTGAATTT	1860
ACCGAATGAA	CTTCGAAATT	TAGGATATGG	CGTTACGCAC	TATGCTGCGT	TTGGTAGAGA	1920
TGGTAGTCGT	ATGGTGATGC	AAATTTTAAC	ACCAAGAAAA	TATGAACGTA	AATTGATGGA	1980
TACGATAAAA	AATTTA					1996

(2) INFORMATION FOR SEQ ID NO: 45:

(i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH:	1017 base pairs
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

CTTYGARCTC	GGTACCCGGG	GMTCCCTCTAR	AGTCGATCTT	TATACTCTTG	TAACACATTT	60
AAGTCTTCAT	CAATCATAGC	ATTCGTTAAT	TCAGCTCGAT	GCGCTTCCAA	AAATTGCTTA	120
ACATCTGGGT	CATWGATGTC	TCCTGATTTT	ATCTTTTCTA	TTCTTTTTTC	AAAGTCCTGC	180
GACGTGTTAA	TTATACTTTT	AAATTGCTTC	ATTATTGACT	GTCCCTCCTCC	CATTTTTTAG	240
ATAATTTTAC	TAGAAATGCT	TGTCGATCTT	GCTCTAATTG	TTGATCATCT	ACGCTATTAT	300
CTTTAGCCGA	ATCTTCTTCA	CTAGGTTTAT	CTCTATTTTC	TAACCATTTA	GGTGTTTTTT	360
CTTTTGAAAT	ACGATTACGC	TGCCCCATAGT	ATGAACCACG	CTTTTGGTAA	TTCCGCTAG	420
AACCCTCATT	TTTAGGTTGA	TTAACTTTTT	TAGCGTAATT	ATATGCTTCT	TTAGCTGTCT	480
TAATACCTTT	TTTCTTCCAA	TTTGATGCTA	TTTCCAAAAT	ATACGCTTTA	GGAAGTTTCA	540
TATCTTCTTT	TAACATGACA	AATTGCAACA	AAATATTAAT	GACGCCAAAA	GACATTTTTT	600
CACGTTTCAA	TTAATTCTTC	AACCATTGTC	TTTTGCGATA	TAGTTGGTYC	TGATTCAGAM	660
CAAGAAGCTA	ACATATCAAT	TGGACTCGTT	TGTTCAAGTA	ACTCAAACCA	TTCATCACTT	720

TGTGGCTTTG	GATTCAC TTC	TGAAGATT TG	CCCGCCGAAG	ATGATGTAGC	AGGAGATTTTC	780
ACCTGTAATT	TAGGCATTTG	ATTTTCGTGT	TCCATTAA GT	AATACGAGCG	TGCTTGTTTTA	840
CGCATTTCTT	CAAAGGATAA	CTGTTGTCCA	CTTGTAATTG	AATTTAAAAAT	AACATGCTTC	900
ATGCCATCTG	CTGTTAAACC	ATATAAATCN	CGAATTGTGT	TATTAACCC	TTGCATCTTG	960
GTAACAATGT	CTTGACTAAT	AAATGTTTAC	CTAACATTGT	CTCCACATTT	CNANTCC	1017

(2) INFORMATION FOR SEQ ID NO: 46:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1035 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

TGCATGCCTG	CAGGTCGATC	AAGGGGTGCT	TTTAATGTCA	AMGAATATTG	CAATTRATGG	60
TATGGGTAGA	ATTGGAAGAA	TGGTATTACG	TATTGCATTA	CAAAATAAAA	ATTTAAATGT	120
AGTAGCGATA	AATGCTAGTT	ATCCACCCGA	AACAATTGCA	CATTTAATCA	ATTACGATAC	180
GACACATGGA	AAATATAATC	TAAAAGTTGA	ACCGATTGAA	AATGGATTGC	AAGTTGGAGA	240
TCATAAAATT	AAATTGGTTG	CTGATCGCAA	TCCTGAAAAC	TTGCCATGGA	AAGAATTAGA	300
TATCGATATT	GCTATAGATG	CAACTGGTAA	ATTTAATCAT	GGTGATAAAG	CCATCGCACA	360
TATTAAAGCA	GGTGCCAAAA	AAGTTTTGTT	AAC TGGTCTT	TCAAAAGGTG	GACATGTTCA	420
AATGGTAGTT	AAAGGCGTAA	ATGATAACCA	ATTAGATATA	GAAGCATTTG	ACATTTTTAG	480
TAATGCTTCA	TGTACTACTA	ATTGCATTGG	TCCAGTTGCA	AAAGTTTTAA	ATAATCAGTT	540
TGGGAATAGT	TAATGGTTTA	ATGACTACTG	TTCACGCTAT	TACAAATGAC	CAAAAAAATA	600
TTGATAATCC	MCATAAAGAT	TTAAGACGTG	CACGTTTCATG	TWATGAAAGC	ATTATTCCTA	660
CTTCTACTGG	TGCGGCGAAA	GCTTTAAAAG	AAGTATTACC	AGAATTAGAA	GGTAAATTAC	720
ACGGCATGGC	ATTACGTTGT	ACCAACAAAG	AATGTATCGC	TCGTTGATTT	AGTTGTTGAT	780
TTAGAAAAAG	AAGTAACTGC	AGAAGAANTA	AACCAAGCTT	TTGAAAATGC	AGGTTTAGAA	840
GGTATCATAG	AANTCGAACA	TCACCACTAG	TGTCGTGTGA	TTTTAATACT	AATCCCAATT	900
CAGCTATTAT	TGATGCCAAA	CCACNATGTC	ATGTTCCGGG	AAATAAGTAA	ANTTATTGCT	960
TGGTATGAAN	ATGAATGGGG	TTATTCCAAT	AAATTGTTAA	NNTTGCNGAA	CAAATTGGAC	1020
NCTTTGGANT	CCAAA					1035

(2) INFORMATION FOR SEQ ID NO: 47:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	483 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:

CTCCGTTTTGT	TTTCGCTTAA	AATCCCTTGC	ATCGATGCTA	ACAATTGATC	AACATCTTTA	60
AATTCTTTTAT	AGACTGATGC	AAATCTAACA	TATGAACTT	GATCAACATG	CATTAACAAG	120
TTCATAACGT	GTTACCTAT	ATCTCGTGAA	GACACTTCCG	TATGACCTTC	ATCTCGTAAT	180
TGCCATTCAA	CCTTGTTAGT	TATGACTTCA	AGTTGTTGAT	ATCTAACTGG	TCGTTTCTCA	240
CAAGAACGCA	CAAGTCCATT	AAGTTATCTT	TTCTCTTGAA	AACTGCTCTC	TTGTGCCATC	300
TTTTTTCACA	ACTATAAGCT	GACTAACTTC	GATATGN TTC	AAATGTTAGT	GGAAAACGTTG	360
TTTCCACAAT	TTTCACATTC	TCTTCGTCTT	CCGAAATGGC	ATTTAATTCA	TCGGGCATGC	420
CTTGAATCTA	CAACTTTAGA	ATTGTGTTAG	AATTACATTT	CGGGCATTTC	ATTACATCAC	480
CTC						483

(2) INFORMATION FOR SEQ ID NO: 48:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	5718 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:

CTCGGTACCC	GGGGATCGTC	ATGGAATACC	GGAATATTAG	TTTCTTTTTT	CAATCGTTCT	60
TCAATTTCAA	AACAACGTGG	TGCCGAAATA	TCCTCTAAAT	TAATACCACC	ATAATTAGGT	120
TCTAACAACT	TAACTGTTTT	AATGATTTCT	TCGGTATCAG	TTGTATTTAA	CGCAATAGGC	180
ACCCCATTTGA	TACCAGCGAA	GCTTTTGAAT	AATACTGCTT	TACCTTCCAT	TACAGGAATA	240
CTTGCTTCAG	GTCCAATGTT	ACCTAAACCT	AATACCGCTG	TTCCATCAGT	AATAACTGCA	300
ACTGTATTTT	CTTTAATTGT	GTAATCATAT	ACTTTTCTTT	TATCTTCATA	AATATCTTTA	360
CACGGTTCAG	CAACGCGAGG	TGAGTATGCT	AACTTTAATT	CCTCTTTATT	AGTAACTTTT	420
ACATTTGGTT	TAACTTCTAA	TTTACCTTGA	TTACGTTTGT	GCATTTCCAA	TGCTTCATCT	480
CTTAATGACA	TGAAATCAGC	CCCTAATTCA	ATATTTATTT	TTAAAAATA	ACTTGATAAA	540
AACGCATTAC	ATTATAAAAG	TAAAAATATT	GGGTAATCTG	AATGARTAAG	AATTTATGGT	600
TTTGATTATG	TAAACAAAAT	AGCGATAAAG	GATAATAAAA	TAATATTTAT	AAAGATACAT	660
TAAACCATAC	TATCTAAAGA	TATACCTTTA	ATTATTATAA	TGGATAGCAA	AAACCAATAT	720
ATCAAAAAGT	TATTATTTTT	CCGCACGATA	TATCGACAAA	ATTCTTTACT	CAATTTATGT	780
ATACTGCTTT	TTGTGCTAAT	TATTCTTATG	GATTAATCAA	TAATGTAAAG	TGAAACTCAT	840
AAAAATAATA	AGCATAAAAA	ACTAATATAA	ACGCAAACTG	ATGGTTAAAA	AATATCTAAC	900
CATCAGTTTA	CTATATCATA	ATTTATTAGT	TGATAAAAGT	TATATAAGCC	TAATATCACT	960
AGGGTTAAAG	GGATTGTATA	AAATTATTAA	ACATACTATC	TTTTTGATTA	ATATAGCCTA	1020
AAGTAGTCAT	TTGTTTAAATC	GTTTCATCAT	AAAAGGATAA	CACAACATCA	TTAGCATTCT	1080
CTTTCGTAGC	TTTAATCATC	TCTTCAACAA	TATCTATTTG	TGATTTATTT	CTAATTATAA	1140
TTTGTTTGGC	AAATGCTAAT	TTTTGTTCTT	CAAAAGTGGC	TAATGTCTGA	ATCTCATTTA	1200
TAATTAGTTG	ACGTTGTTGC	TTTCTATGGT	CAAATTTCCC	GCTAACTATA	AACAAGTCAT	1260
TATGTGATAA	CAACTCTTCG	TACTTTTTTA	ACTGATTAGG	GAAAAATCACA	CCATCTAAAG	1320
TTTCAATGCC	ATCATTTAAT	GTTGACGAAT	GCCATATTTT	GACCATTTTT	AGTTCGAATT	1380
TGTTTTAECTT	TATCAAACTG	TACTAATATA	GGTTTATAAT	TCTGCGCGTT	ACTCAATTTA	1440
AATATCGTTA	AATATTGTTT	GGCAACAAAC	TTTTTATCTA	CTGGGTGTTG	CGAAACATAA	1500
AATCCTAAAT	ATTCTTTTTT	GTACTGACTA	ATAAGTGCAT	CAGGCAATTC	TTCTTTATCT	1560
TCATACATCT	GTTTTGGCGT	TAAAATATCA	AATAAAAAAC	CATCTTGTTT	AATGTTTAAA	1620
TCGCCATCCA	ACACTTGATC	AATAGCTTGC	AACAACGTTG	AACGTGTTTT	ACCAAAAGCA	1680
TCAAACGCTC	CCACTAAAAAT	CAGTGCTTCA	AGTAACTTTC	TCGTTWTGAM	YCTCTTCGGT	1740
ATACGCTCTAG	CAWAATCAAA	GAAATCTTTA	AATTTGCCGT	TCTGATAACG	TTTATCAACA	1800
ATCACTTTTCA	CACCTTGATA	ACCAACACCT	TAAATTGTAC	CAATTGATAA	ATAAATGCCT	1860
TCTTGGGAAG	GTTTATAAAA	CCAATGACTT	TCGTTAATGT	TCGGTGGCAA	TTCGATGATA	1920
CCTTGTTTTT	TTGCTTCTTC	TATCATTTGA	GCAGTTTTCT	TCTCACTTCC	AATAACATTA	1980
CTTAAAATAT	TTGCGTAAAA	ATAATTTGGA	TAATGGACTT	TTAAAAAGCT	CATAATGTAT	2040
GCAATTTTAG	AATAGCTGAC	AGCATGTGCT	CTAGGAAAAAC	CATAATCAGC	AAATTTTACA	2100
ATCAAAATCAA	ATATTGTGCT	ACTAATGTCT	TCGTGATAAC	CATTTTGCTT	TGSMCCTTCT	2160
ATAAAATGTT	GACGCTCACT	TTCAAGAACA	GCTCTATTTT	TTTTACTCAT	TGCTCTTCTT	2220
AAAATATCCG	CTTCACCATA	ACTGAAGTTT	GCAAATGTGC	TCGCTATTTG	CATAATTTGC	2280
TCTTGATAAA	TAATAACACC	GTAAGTATTT	TTTAATATAG	GTTCTAAATG	CGGATGTAAA	2340
TATTGAACTT	TGCTTGATC	ATGCTCTTCT	TGTAATGAAG	TTGGAATTTT	TTCCATTTGA	2400
CCTGGTCTAT	ACAAAGAAGT	TACAGCAACA	ATATCTTCAA	AGTGTTCGGG	CTTTAATTTT	2460
TTTAATACAC	TTCTTACACC	GTCAGACTCT	AATTGGAATA	TGCCAGTCGT	ATCTCCTTGC	2520
GACAACAATT	CAAACTCTTT	TTGATCATCA	AACGGAATCT	TTTCGATATC	AATATTAATA	2580
CCTAAATCTT	TTTTGACTTG	TGTTAAGATT	TGATGAATAA	TCGATAAGTT	TCTCAACCTT	2640
AGAAAATCTA	TTTTTAATAA	CCCAATACGT	YCGGCTTCAG	TCATTGTCCA	TTGCGTTAAT	2700
AATCCTGTAT	CCCCTTTCTG	TAAAGGGGCA	TATTCATATA	ATGGATGGTC	ATTAATAATA	2760
ATYCCTGCCG	CATGTGTAGA	TGTATGTCTT	GGTAAACCTT	CTAACTTTTT	ACAAATACCT	2820
AACCAGCGTT	CATGTCGATG	GTTTCGATGT	ACAACTCTT	TAAAATCGTC	AATTTGATAT	2880
GCTTCATCAA	GTGTAATTCC	TAATTTATGT	GGGATTAAC	TTGAAAATTT	CATTTAATGT	2940
AACTTCATCA	AACCCCATAA	TTCTTCCAAC	ATCTCTAGCA	ACTGCTCTTG	CAAGCAGATG	3000
AMCGAAAGTC	ACAATTCCAG	ATACATGTAG	CTCGCCATAT	TTTTCTTGGA	CGTACTGAAT	3060
GACCCTTTCT	CGGCGTGTAT	CTTCAAAGTC	AATATCAATA	TCAGGCATTG	TTACACKTTT	3120
TGGGTTTTAAA	AAACGTTCAA	ATAATAGATT	GAATTTAATA	GGATCAATCG	TTGTAATTC	3180
CAATAAATAA	CTGACCAGTG	AGCCAGCTGA	AGAACCACGA	CCAGGACCTA	CCATCACATC	3240
ATTTCGTTTT	GCATAATGGA	TTAAATCACT	WACTATTAAG	AAATAATCTT	CAAAACCCAT	3300
ATTAGTAATA	ACTTTATACT	CATATTTCAA	TCGCTCTAAA	TAGACGTCAT	AATTAAGTTC	3360
TAATTTTTTC	AATTGTGTAA	CTAAGACACG	CCACAAATAT	TTTTTAGCTG	ATTCATCATT	3420
AGGTGTCTCA	TATTGAGGAA	GTAGAGATTG	ATGATATTTT	AATTCTGCAT	CACACTTTTG	3480
AGCTATAACA	TCAACCTGCG	TTAAATATTT	CTTGGTTAAT	ATCTAATTGA	TTAATTTCTT	3540
TTTTTCAGTTA	AAAAATGTGC	ACCAAAATCT	TTCTTGATCA	TGAATTAAGT	CTAATTTTGT	3600
ATTGTCTCTA	ATAGCTGCTA	ATGCAGAAAT	CGTATCGGCA	TCTTGACGTG	TTTGGTAACA	3660
AACATTTTGA	ATCCAAACAT	GTTTTCTACC	TTGAATCGAA	ATACTAAGGT	GGTCCATATA	3720
TGTGTCAATTA	TGGGTTTCAA	ACACTTGTAC	AATATCACGA	TGTTGATCAC	CGACTTTTTT	3780
AAAAATGATA	ATCATATTGT	TAGAAAATCG	TTTTAATAAT	TCAAACGACA	CATGTTCTAA	3840
TGCATTCAAT	TTTATTTCCG	ATGATAGTTG	ATACAAATCT	TTTAATCCAT	CATTATTTTT	3900
AGCTAGAACA	ACTGTTTCGA	CTGTATTTAA	TCCATTTGTC	ACATATATTG	TCATACCAAA	3960
AATCGGTTTA	ATGTTATTTG	CTATACATGC	ATCATAAAAT	TTAGGAAAAC	CATACAATAC	4020
ATTGGTGTCA	GTTATGGCAA	GTGCATCAAC	ATTTTCAGAC	ACAGCAAGTC	TTACGGCATC	4080

TTCTATTTTT	AAGCTTGAAT	TTAACAAATC	ATAAGCCGTA	TGAATATTTA	AATATGCCAC	4140
CATGATTGAA	TGGCCCCTTT	CTATTAGTTA	AGTTTTGTGC	GTAAAGCTGT	AGCAAGTTGC	4200
TCAAATTCAT	CCCAGCTGTC	CAACTGAAAY	TCCTGACGCA	TTCGGATGAC	CACCGCCACC	4260
AAAATCTTGC	GCAATATCAT	TAATAATCAA	TGCCCCTTTA	GAACGTAATC	GACATCTGAT	4320
TTCATTACCT	TCATCGACTG	CAAATACCCA	TATTTTCAAG	CCTTTGATGT	CAGCAATTGT	4380
ATTAACAAAC	TGAGATGCTT	CATTTGGCTG	AATACCGAAT	TGCTCCAATA	CATCTTCAGT	4440
TATTTTAACT	KGGCAGAATC	CATCATCCAT	AAGTTCGAAA	TGTTGYAAAA	CATAACCTTG	4500
AAACGGCAAC	ATTKYTGGGT	CCTTCTCCAT	CATTTTATTT	AAAAGCGCAT	TATGATCAAT	4560
ATCATGCCCA	ATTAACTTTC	CAGCAATTTT	CATAGTATGT	TCWGAGGTAT	TGTTAAAAAG	4620
GRGATCGCCC	AGTATCACCG	ACGATACCAA	GATATAAAAC	GCTCGCGATA	TCTTTATTAA	4680
CAATTGCTTC	ATCATTAAAA	TGTGAGATTA	AATCGTAAAT	GATTTCACTT	GTAGATGACG	4740
CGTTTCGTATT	ACTAAATTA	ATATCACCAT	ACTGATCAAC	TGCAGGATGA	TGATCTATTT	4800
TAATAAGTYT	ACGACCTGTA	CTATAACGTT	CATCGTCAAT	TCGTGGAGCA	TTGGCAGTAT	4860
CACATACAAT	TACAAGCGCA	TCTTGATATG	TTTTATCATC	AATGTTATCT	AACTCTCCAA	4920
TAAAACTTAA	TGATGATTCC	GCTTCACCCA	CTGCAAATAC	TTGCTTTTGC	GGAAATTTCT	4980
GCTGAATATA	GTATTTTAAA	CCAAGTTGTG	AACCATATGC	ATCAGGATCK	RSTYTARMRK	5040
RTCYSYKMT	AMYRATTGYA	TCGTTGTCTT	CGATACATTT	CATAATTTCA	TTCAAAGTAC	5100
TAATCATTTT	CAWACTCCCT	TTTTTAGAAA	AGTGGCTTAA	TTTAAGCATT	AGTCTATATC	5160
AAAATATCTA	AATTATAAAA	ATTGTTACTA	CCATATTAAA	CTATTTGCCC	GTTTTAATTA	5220
TTTAGATATA	TATATTTTCA	TACTATTTAG	TTGAGGGGCC	CCAACACAGA	GAAATTGGAC	5280
CCCTAATTTT	TACAAACAAT	GCAAGTTGGG	GTGGGGCCCC	AACGTTTGTG	CGAAATCTAT	5340
CTTATGCCCT	TTTTCTCTGC	TAAGTTCCTA	TACTTCGTGA	AACATTTGGC	ATATCACGAG	5400
AGCGCTCGCT	ACTTTGTCGT	TTTGACTATG	CATGTTCACT	TCTATTTTGG	CGAAGTTTCT	5460
TCCGACGCT	AGTATGCCAA	AGCGCACTGT	TATATGTGAT	TCAATAGGTA	CTGTTTTAAT	5520
ATACACGATA	TTTAAGTTCT	CTATCATGAC	ATTACCTTTT	TTAAATTTAC	GCATTTTATA	5580
TTGTATGTGT	TCTTCTATAA	TACTTACAAA	TGCCGCTTTA	CTTACTGTTC	CGTAATGATT	5640
GATTAAGAGT	GGTGAACTT	CTACTGTAAT	TCCATCTTGA	TTCATTGTTA	TATATTTGGC	5700
GATTTGATCC	TCTAGAGT					5718

(2) INFORMATION FOR SEQ ID NO: 49:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	513 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:

TTCTTGCCCTC	CCAATCGCCT	AATAGCCCTN	AAAACACTTT	TTTTTAATCT	ATAGGCGATG	60
TAAAAATACC	ATATATTGAN	GGTGCTATAC	CTCCATAAAT	AGCAGTTCCC	AAAGTTGTCA	120
TTACTGAAAT	TACTGCGAAA	GTATCATCCG	AAAGCAATAA	ATTCAAACCTA	ATGCATGTGT	180
TATTACCCAT	CGAATTTTATT	GACCAAATAG	CTAGAGAAAT	AAACAACCCA	AAATTTAAAA	240
TAAATGATAT	AGTAATAGCA	ATTGTTTACA	AAACACGGAA	TTTTTCATTT	TTATTTATAT	300
TATCCATTTT	NTCCCTTTT	NCTTAAATCA	TTTTATTATA	TATTNCAATA	ATCAATCTGA	360
AATGTTGATG	TAATTTGNNA	AAAATATCAT	ACTTTTNTCT	CTGAAAACCT	CCCTAAATCA	420
TCAATATGGN	AATCNGTNTT	NGGGTATTGC	GNTTNCAACT	CTTTTAAANC	TCACCTNTTC	480
TTCTCATCGN	CTTAACCGTA	CTATCANTAA	AAT			513

(2) INFORMATION FOR SEQ ID NO: 50:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	533 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:

CTGAGCTGCT	TNCANNNCCA	NTNTGAAAAA	GCCCCCAGNN	CAGCCCGNTT	NCAAAACAAC	60
GNCTNCATTT	GAANCCCCAT	GAAAAAGAAC	GAATTTTGAC	AATGGNTTAA	AAAACANGNA	120
AGATAATAAG	AAAAAGTGCC	GTCAACTGCA	TATAGTAAAA	GTTGGCTAGC	AATTGTATGT	180
NCTATGATGG	TGGTATTTT	AATCATGCTA	TTCTTATTTG	TAAAGCGAAA	TAAAAAGAAA	240
AATAAAAAACG	AATCACAGCG	ACGNTAATCC	GTGTGTGAAT	TCGTTTTTTT	TATTATGGAA	300
TAAAAATGTG	ATATATAAAA	TTGCTTTGTC	CCGTGGCTTT	TTTCAAAGCC	TCAGGNTTAA	360
GTAATTGGAA	TATAACGNCA	AATCCGTTTT	GTAACATATG	GGTAATAATT	GGGAACAGCA	420



AGCCGTTTTG TCCAAACCAT ATGCTAATGN AAAAATGNCA CCCATACCAA AATAAACTGG 480  
GATAAATTTG GNATCCATTA TGTGCCTAAT GCAAATNCCT NATGACCTTC CTT 533

(2) INFORMATION FOR SEQ ID NO: 51:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 568 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:

CCGACAGTCG	TTCCNCTCAT	GCAAAATATG	GGGGCTAAAC	TCAGTTCAAG	AAGTCGGCAA	60
ATAAGACAAA	TGAAATTGCC	TGGTGACGGT	AGNACAACTG	CAACAGTATT	AGCTCAAGCA	120
ATGATTCAAG	AAGGCTTGAA	AAATGTTACA	AGTGGTGCGA	ACCCAGTTGG	TTTACGACAA	180
GGTATCGACA	AAGCAGTTAA	AGTTGCTGTT	GAAGCGTTAC	ATGAAAATTC	TCAAAAAGTT	240
GAAAATAAAA	ATGAAATTNC	GCAAGTAGGT	GCGNTTTCAG	CAGCAGATGN	AGNAATTNGA	300
CGTTATATTT	CTGAAGCTAT	NGGNAAGTA	GGTAACGNTG	GTGTCATTAC	ANTTNTNGGG	360
TCAAATGGGC	TNTNCACTNN	NCTNGANGTG	GTTGNNGGTG	TNCNATTTGA	TCNNNGTTAT	420
CANTCACCNN	CTATNGTTAC	TGCTTCNGCT	AAAATGGTTG	CTGCNTTTGG	NCGCCCCCTAC	480
ATTTTTGTNA	CNGCTTNGGG	ANTCTCGTCT	TTNCNCGATT	CTTTCCCTTT	TTTGGCCCTT	540
GGGNAATCTT	TTNGGNCNCC	CTTTATTT				568

(2) INFORMATION FOR SEQ ID NO: 52:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 437 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:

CAAYTTAGYC	AACTACTACC	AATATAGCAC	TAGAAGTGGG	AATGATAATT	TAATATTGKG	60
CACTTTTTSA	TTGKTTAAAC	ATGTACATAT	TTNAAAAAAT	AGGAGAGCAA	AGKAAATAAT	120
TGATATAGTT	ATTTTSAGAG	TAATCCTAGG	AACTATTGTA	TTTATATTTT	TCTCCCTTAC	180
TTTTAAATGT	CATTCAATAT	ACATAAGCAT	TTTGATATAG	AATTTATCAC	ATATGCAAAT	240
TGAAAACAGG	TTAAGACCAT	TTTTTGCTCT	AACCTGTTTT	ATTTATTATC	TATTTMTAAT	300
TTCATCAATT	TCTTTGTATA	TTTTTYCTAA	TGCAACTTTA	GCATCAGCCA	TTGATACGAA	360
ATCATTTTTY	TTAAGTGCCG	CTTTAGCTCT	ATATTCAATC	ATYATAATCG	TACGTTTATA	420
ATATGGATTT	ACGTTGA					437

(2) INFORMATION FOR SEQ ID NO: 53:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 659 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:

CCCGATTGCG	GCTCGGTACC	GGNGATCCTC	TAGAGTCGAT	CTATCAAGCA	GTAAATGAAA	60
AAATGGACAT	TAATGATATT	AATATCGACA	ATTTCCAATC	TGTCCTTTTT	GACGTGTCTA	120
ATTTGAATTT	AGTAATTCTA	CCAACGTTAA	TCATTAGCTG	GGTCACAATA	TTTAACTATA	180
GAATGAGAAG	TTACAAATAA	AATCTATGAG	ATTATACCTN	CAGACACCAA	CATTCAAATG	240
GTGTCCTTTN	TGTTGTGTGG	TTTTATTNT	GAAATNCGAA	AAAGTAGAGG	CATGAATTTT	300
GTGACTAGTG	TATAAGTGCT	GATGAGTCAC	AAGATAGATA	GCTATATTTT	GTCTATATTA	360
TAAAGTGTTT	ATAGNTAATT	AATAATTAGT	TAATTTCAAA	AGTTGTATAA	ATAGGATAAC	420
TTAATAAATG	TAAGATAATA	ATTTGGAGGA	TAATTAACAT	GAAAAATAAA	TTGATAGCAA	480
AATCTTNATT	AACATTAGGG	GCAATAGGTA	TTACTACAAC	TACAATTGCG	TCAACAGCAG	540
ATGCGAGCGA	AGGATACGGT	CCAAGAGAAA	AGAAACCACT	GAGTATTAAT	CACAATATCG	600
NAGAGTACAA	TGATGGTACT	TTTAATATCA	ATCTTGANCA	AAATTACTCA	ACAACCTAA	659

(2) INFORMATION FOR SEQ ID NO: 54:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 298 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:

AATNCTCCTC	CNATGNTTTA	TNATGAACT	AACTTTAAGT	NAAATATTTN	TCCAGACTAC	60
TTGCATCTCC	NTTATNCCCT	TCTATAGTTN	CTATCCCAGT	TNATGATAAA	AGTAATGCTA	120
ATGTNCCTGT	NAATATATAT	TTNTAAAATT	NNATTATAAG	CNCTCCTTAA	AATTNATACT	180
TACTGAGTAT	ATAGTCAATT	TNNGGACAAT	TACATTAACC	TGTCATTAAA	TNGATTACTT	240
TTTNNATTAA	CAAAAATTAA	CATAACATTT	AATTAATTNT	TTCCNGATAN	CAGCAACG	298

(2) INFORMATION FOR SEQ ID NO: 55:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 535 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:

TCCAAATATT	CACCAAGCTG	TAGTTC AAGA	TGATAACCCT	NATTTTAANT	CTGGCGAAAT	60
CACTCAAGAN	CTACAAAAAG	GATACAAGCT	TAAAGATAGA	GTATTAAGAC	CATCANTGGT	120
CAAAGTAAAC	CAATAACTTA	AATTTGGCGA	AAAGACATTG	TTTAAAATTA	ANTTAATTTA	180
ATGATTAATT	GGAGGNATTT	TNTTATGAGT	AAAATTNTTG	GTATAGACTT	AGGTACAACA	240
NATTCATGTG	TAACAGTATT	AGANGGCGAT	GAGCCAAAAG	TAATTCAAAA	CCCTGANGGT	300
TCACGTACAA	CCCATCTGT	NGTAGCTTTC	AAAAATGGAG	AAACTCAAGT	TGGTGAAGTA	360
GCAAAACGTC	AAGCTATTAC	AAACCCAAAC	ACTGTTTCANT	CTATTAGNCG	TCATATGGGT	420
ACTGNTTATA	ANGTAGATAT	TGAGGGTAAA	TCATACACAC	CACAAGNNNT	CTCAGCTNTG	480
NTTTTNCAAA	ACTTANNANT	TNCAGCTGNA	GTNATTTAGG	TGNGNNNGTT	GNCAA	535

(2) INFORMATION FOR SEQ ID NO: 56:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 540 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:

ATGACTGCAG	GTGCATCCAT	GATTTACAAG	TATATTGGTA	GCCAATTCTA	CTGCTTCATG	60
ATTAATAATA	ATTGAAAGCT	CTGTCCAGTT	CATACTTTAT	TCTCCCTTAA	AGAATCTTTT	120
TGNTCTATCT	TTAAAAATCG	AAGGTTGTTT	ATTAATTTCT	TCACCATTTA	ATTGGGCAAA	180
TTCTTTTCAAT	AGTTCCTTNT	GTCTATCTGT	TAATTTAGTA	GGCGTTACTA	CTTTAATATC	240
AACATATAAAA	TCTCCGTATC	CATAGCCATG	AACATTTTTT	ATACCCTTTT	CTTTTAAGCG	300
GAATTGCTTA	CCTGTTTGTG	TACCAGCAGG	GGATTGTTAA	CATAACTTCA	TTATTTAATG	360
TTGGTATTTT	TATTTTCATCG	CCTAAAGCTG	CTTGTGGGAA	GCTAACATTT	AATTTGNAAT	420
AAATATCATC	ACCATCACGT	TTAAATGTTT	CAGATGGTTT	AACTCTAAAT	ACTACGTATT	480
AATCANCAGG	AGGTCTCTCA	TTCACGGCTG	GAGAGGCTTC	AACAGCTAAT	CTTATTTGGT	540

(2) INFORMATION FOR SEQ ID NO: 57:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 536 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:

TTTATAATTT	CATCTNTTGA	AGCATCCTTA	CTAATGCCTA	AAACTTCATA	ATAATCTCTT	60
TTGGCCACAG	CTATCTCTCC	TTTNCNTNAAT	TAACTCATAT	AGTTTAACGT	AATATGTCAT	120
ACTATCCAAA	TAAAAAGCCA	AAGCCAATGT	NCTATTGACT	TTNACTTTTC	ANATCATGAC	180
AACATTCTAA	TTGTATTGTT	TAATTATTTT	NTGTCGTCGT	CTTTNACTTC	TTTAAATCA	240
GCATCTTCTA	CAGTACTATC	ATTGTTTTNA	CCAGCATTAG	CACCTTGTNT	TGTTGTTGCT	300
GTTGAGCCGC	TTGCTCATAT	ACTTTTNCCTG	NTAATCTTGT	ANTCACTTTT	TCAAGTTCTT	360
CTTTTTTAGA	TTTANTATCT	TCTATATNCT	TGACCTTTCT	AANGCAGTTT	TAAGAGCGTC	420
TTTTTTCCTC	TTTCTGCAGT	TTTNTTATAC	TTCCTTTCAC	CGTNATTTTT	CGGCTTATTT	480
CAGTTAAANG	TTTTTCCANC	TTGGGTNTAN	CTATGGCTAG	NAAAGNTTCG	NTTCCT	536

(2) INFORMATION FOR SEQ ID NO: 58:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	536 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:

AAGATAAAAT	GGCATTACAA	CGTTTNAAG	ATGCTGCTGA	AAAANCTAAA	AAAGACTTAT	60
CAGGTGTATC	ACAAACTCAA	ATCTCATTAC	CATTTATCTC	AGCTGGTGAA	AACGGTCCAT	120
TACACTTAGA	AGTAAACTTA	ACTCGTNCCTA	AATTTGAAGA	ATTATCAGAT	TCATTAATTA	180
GAAGANCAAT	GGAACCTACA	CGCCAAGCAA	TGAAAGACGC	TGGCTTAACA	AACTCAGATA	240
TCGATGAAGT	TATCTTAGTT	GGTGGNTCAA	CTCGTATTCC	AGCAGTACAA	GANGCTGTCA	300
AAAAAGAAAT	CGGTAAAGAG	CCTAACAAAG	GAGTAAACCC	GGNCGAAGTA	GGTGGCAATG	360
GGNGCTGCAA	TCCAAGGTGG	CGTTATTTCAC	AGGTGACGTT	TAAAGACGTG	TATTATTAGG	420
NCGTAAACACC	ACTATCTTTA	GGTATTGAAA	TTTTAGGTGG	NCGTATGNAT	TACGGTAATT	480
GAACGTAAACA	CTACGGTTCC	TNCATTCTAA	NTCTCAAAAT	CTNTTCAACA	GCAGTT	536

(2) INFORMATION FOR SEQ ID NO: 59:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	925 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:

CTAGAGTCGA	TCTAAAGAAT	ATNTAANTCC	TNATATKSCT	GATGTTGTAA	AAGAAGTGGA	60
TGTTGAAAAT	AAAAAAATTA	TCATCACGCC	AATGGAAGGA	TTGTTGGATT	AATGAAAATT	120
GATTATTTAA	CTTTATTTCC	TGAAATGTTT	GATGGTGTTT	TAAATCATTC	AATTATGAAA	180
CGTGCCCAAG	AAAACAATAA	ATTACAAATC	AATACGGTTA	ATTTTAGAGA	TTATGCAATT	240
AACAAGCACA	ACCAAGTAGA	TGATTATCCG	TATGGTGCG	GWCAAGGTAT	GGTGTAAAG	300
CCTGACCCTG	TTTTTAATGC	GATGGAAGAC	TTAGATGTCA	CAGAMCAAAC	ACGCGTTATT	360
TTAATGTGTC	CACAAGGCCA	GCCATTTTCA	CATCAGAAAG	CTGTTGATTT	AAGCAAGGCC	420
GACCACATCG	TTTTCATATG	CGGACATTAT	GAAGGTTACG	ATGAACGTAT	CCGAACACAT	480
CTTGTCACAG	RTGAAATATC	AATGGGTGAC	TATGTTTTAA	CTGGTGAGAG	ATTGCCAGCG	540
ATGACCATGA	CTGATGCTAT	TGTTAGACTG	ATTCCAGGTG	TTTLAGGTAA	TGNACAGTCA	600
CATCAAGACG	ATTCATTTTC	AGATGGGTTA	TTAGAGTTTC	CGCAATATA	ACGTCCGCGT	660
GAATTTAAGG	GTCTAACAGT	TCCAGATGTT	TTATTGTCTG	GAAATCATGC	CAATATTGAT	720
GCATGGAGAC	ATGAGCAAAA	GTTGAACCGC	ACATATAATN	AAAGACCTGA	CTTAATTNNA	780
AAATACCCAT	TAANCCAATG	GCAGCATAAG	GCAAATCATT	CAGNAAANAT	CATTAAAATC	840
AGGTATTNGT	AAAAAGGTTN	AGTGATTGTG	NNNAACNNAN	TNGNATGTGG	CAAACATNCN	900
AANTACATCC	TGGAAGGACC	TCACG				925

(2) INFORMATION FOR SEQ ID NO: 60:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2531 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:

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TGGYTTTRTTT CAACATAATA TAGACATTTY CAATGTTATT CTATTAATTC TCCACGAAAC      60
TGTATCTTA TCGTTTTCTG GTTCTAATAT GTGTTTTTTG GGTGATTTAA TTACTTGTTT      120
CGTTGAACAT TTACAAGGCC TTTTAAAGT TAACTGTTTG ACCTCATTAC GTGTACCGAC      180
GCCCATATTT GCTAAAAATT TATCTATTCT CATCGTAAAA ACCTAACTCT ACGTCTTAAT      240
TTTTCAGGAA TTTACCTAA GAATTCGTCC GCAAGACGCG TTTAATTGT GAWTGTACCG      300
TAAATTAGAA TACCTACTGT AACACCTAAA ATAATAATGA TTAAGTWACC AAGTTTTAGT      360
AGGTYCTAAR AATARATTTG CAAGGNAAAA TACTAATTCT ACACCTAGCA TCATAATNNT      420
GNATACAAGG ATATWTWTGC AAAATGGATC CCAACTATAG CTGAATTTAA ACTTCGCATA      480
TWTTTTAAGR ATWTAGRAAT TACATCCMAT TGCAAATAAT TAATGCGATA CTAGTACGTA      540
AAATTGACAC AGGTGTATGG AATAACATAA TTAATGGATA GTTTAACGCT AACTTGATAA      600
CTACAGAAGC TAAAATAACA TAACTGTTA ATTTCTGTTT ATCTATACCT TGTAANATNG      660
ATGCCGTTAC ACTTAATAGT GAAATYAGTA TTGCTACAGG CGCATAATAK AATAATAAGC      720
GACTACCATC ATGGTTAGGG TCATGACCTA WAACAATTGG ATCGTAACCA TAGATAAACT      780
GTGAAATTAA TGGTTGTGCC AAGGCCATAA TCYCCAATAC TAGCTGGGAA CAGTTATAAA      840
CATTWAGTTA CACCAATTAG ATGTTCTTAA TTTGATGATG CATTTTCATGT AAGCGACCTT      900
CTGCAATGT TTTTGTAATA TAAGGAATTA AACTCACTGC AAAACCAGCA CTTAATGATG      960
TCGGAATCAT TACAATTTTA TTAGTTGACA TATTTAGCAT ATTAAAGAAT ATATCTTGTA      1020
ACTGTGAAGG TATACCAACT AAAGATAAAG CACCGTTATG TGTAAATTGA TCTACTAAGT      1080
TAAATAATGG ATAATTCAAA CTTACAATAA CGAACGGTGA TACTATAAGC AATAATTTCT      1140
TTATACATCT TGCCATATGA CACATCTATA TCTGTGTAAT CAGATTCGAC CATACGATCA      1200
ATATTATGCT TACGCTTTCT CCAGTAATAC CAGAGTGTGR ATATRCCAAT AATCGCACCA      1260
ACTGCTGCTG CAAAAGTAGC AATACCATTG GCTAATAAAA TAGAGCCATC AAAGACATTT      1320
AGTACTAAAT AACTCCGAT TAATATGAAA ATCAGCGGTG CAATTTGCTC AGTTACTTCT      1380
GACACTGCTG TTGGCCCCAT AGATTTATAA CCTTGGAATA TCCCTCTCCA TGTCGCTAAT      1440
ACAGGAATAA AGATAACAAC CATACTAATG ATTCTTATAA TCCAAGTTAA TATCATCCGA      1500
CTGACCAACC GTTTTATCA TGAATGTTTC TAGCTAATGT TAATTCAGAA ATATAAGGTG      1560
YTAAGAAATA CAGTACCAAG AAACCTAAAA CACCGGTAAT ACTCATTACA ATAAAAAYTCG      1620
ATTTATAAAA WTTCTGACTT WACTTTAWAT GCCCAATAG CATTATATTT CGCAACATAT      1680
TTCGAAGCTG CTAATGGTAC ACCTGCTGTC GCCAAGTCA ATTGCAATAT TATATGGTGC      1740
ATAAGCGTWT GTTGAACGGS GCCATATTTT CTGTGCCNC CAATTAAATA GTTGAATGGA      1800
ATGATAAAAA GTACGCCCAA TACCTTGGTA ATTAATATAC ATTAATGTAAT TAAAAAGGTT      1860
CCACGCACCA TTTCTTTACT TTTACTCATT ACGAATCTCC CTATCTCATG TTTATTAAAG      1920
TTTTGTAAAC TAAAAGCTGT TTCTCTGTAA AATCATTTTT CATTATTATG AATATATCAC      1980
AAAACTTTAT TTCATYGTCT TATATTTCAA TGAATTATC CATAACAAA TTATCAACAC      2040
ATTGTCAATTG AATACTAGAT TTTGATTAGA ATATTACGAA ATTTCATATA AACATTATAC      2100
TACTATTTGA GATGAACATC GCATAACAGT AGAAAAATCA TTCTTATCAT ACACATACAT      2160
CTTCATTTTT TATGAAGTTC ACATTATAAA TATATTCAAC ATAATTGTCA TCTCATAACA      2220
CAAGAGATAT AGCAAAGTTT AAAAAAGTAC TATAAAATAG CAATTGAATG TCCAGTAACA      2280
AATTGGGAGG AAGCGTATAT GTATCAAACT ATTATTATCG GAGGCGGACC TAGCGGCTTA      2340
ATGGCGGCAG ATGCWGCAAG CGAACAAGT AGCAGGTGTG TACTCATTGA AAAAAAGAAA      2400
GGTCTAGGTC GTAAACTCAA AATATCTGGT GCGGTAGAT GTAACGTAAC TAATCGAYTA      2460
CCATATGCTG AAATTATTCA AGGAACATTC CCTGGAAATG GGAAATTTTY ATCATAGTTC      2520
CCTTTTCAAT T      2531
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(2) INFORMATION FOR SEQ ID NO: 61:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 888 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:

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TCGAGCTCGG TACCCGGGGA TCCTCTAGAG TCGATCTACA GAGCTGTTTA ACGTTTGTAC      60
TGAGTCACCG ATACCTTTAA CAGCATCTAC AACTGAGTTT AAACGATCTA CTTTACCTTG      120
GATATCCTCA GTTAAACGGT TTACTTTATG AAGTAAATCT GTTGTTTCAC GAGTAATACC      180
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TTGAACTTGA	CCTTCTACAC	CGTCAAGTGT	TTTTGCAACA	TAATCTAAGT	TTTTCTTAAC	240
AGAATTTAAT	ACAGCTACGA	TACCGATACA	TAAAAATTAAG	AATGCAATCG	CAGCGATAAT	300
TCCAGCAATT	GGTAAAATCC	AATCCATTAA	AAACGCCTCC	TAATTAACAT	GTAATAATGT	360
CATTAATAAT	AAATACCCAT	ACTACTCTAT	TATAAACATA	TTAAAAACGCA	TTTTTCATGC	420
CTAATTTATC	TAAATATGCA	TTTTGTAAAT	TTTGAATATC	ACCTGCACCC	ATAAATGAAA	480
ATAACAGCAT	TATCAAATTG	TTCTAATACA	TTAATAGAAT	CTTCATTAAT	TAACGATGCA	540
CCTTCAATTT	TATCAATTAA	ATCTTGTWTC	GTTAATGCGC	CAGTATTTTC	TCTAATTGAT	600
CCAAAAATTT	CACAATAAGA	AATACACGAT	CTGCTTTACT	TAAACTTTCT	GCAAATTCAT	660
TTAAAAATGC	CTGTGTTCTA	GAGAAAGTGT	GTGGTTTGAN	ATACTGCAAC	AACTTCTTTA	720
TGTGGATATT	TCTTTCGTGC	GGTTTCAATT	GNNGCACTAA	NTTCTCTTGG	ATGGTGTNCA	780
TAATCAGCTA	CATTAACCTG	ATTTGCGATT	GTAGTNTCAT	NGANNGACGT	TTAACNCCAC	840
CAACGTTTCT	AATGCTTCTT	TAANATTGGG	ACATCTAACT	TCTCTAAA		888

(2) INFORMATION FOR SEQ ID NO: 62:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	902 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:

GCATGCCTGC	AGGTCGATCC	AAAAATGGTT	GAATTAGCTC	CTTATAATGG	TTTGCCMMMT	60
TTRGTTGCCA	CCGKTAATTA	CAGATGTCMA	AGCCAGCTAC	ACAGAGTTTG	AAAAGGSSCC	120
STWGAAAGGA	AATGGAACGA	ACGTKATAAG	TTATTTGCCA	CATTACCATG	TACGTAATAT	180
AACAGCCATT	TAACAAAAAA	GCCACCATAT	GATGAAAGAW	TGCCAAAAAT	TGTCATTGTA	240
ATTGATGAGT	TGGCTGATTT	AATGATGATG	GCTCCGCAAG	AAGTTGAACA	GTCTATTGCT	300
AGAATTGCTC	AAAAAGCGAG	AGCATGTGGT	ATTCATATGT	TAGTAGCTAC	GCAAAGACCA	360
TCTGTCAATG	TAATTACAGG	TTTAATTAAA	GCCAACATAC	CAACAAGAAT	TGCATTTATG	420
GTATCATCAA	GTGTAGATTC	GAGAACGATA	TTAGACAGTG	GTGGAGCAGA	ACGCTTGTTA	480
GGATATGGCG	ATATGTTATA	TCTTGGTAGC	GGTATGAATA	AACCGATTAG	AGTTCAAGGT	540
ACATTTGTTT	CTGATGACGA	AATTGATGAT	GTTGTTGATT	TTATCAAACA	ACAAAGAGAA	600
CCGGAATATC	TATTTGAAGA	AAAAAGAAAT	TGTTGAAAAA	AACACAAACA	CMATCMCMAG	660
ATGAATTATT	TGATGATGTT	TGTGCATTTA	TGGTTAATGA	AGGACATATT	TCAACATCAT	720
TAATCCAAAG	ACATTTCCAA	ATTGGCTATA	ATAGAGCAGC	AAGAATTATC	GATCAATTAG	780
AAGCAACTCG	GTTATGTTTC	GAGTGCTAAT	NGGTTCAAAA	ACCNAGGGAT	GTTTATGTTA	840
CGGAAGCCGA	TTTTAAATAA	AGAATAATTT	ATGATTAAGG	ATTTTATAT	AATGGACACC	900
CC						902

(2) INFORMATION FOR SEQ ID NO: 63:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	3592 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:

GATCCTTATT	CTGAATATTT	AACAAAWGCA	ACAAACGAAA	TCCCTTTGAA	TGAAAGGTGT	60
TTCAGGTGCA	TTTTKTAGGT	ATTGGTGCG	AAAATGCAAA	AGAAAAATGA	ATCAAATTAT	120
GGTTACTAGT	CCTATGAAGG	GWTCTCCAGC	AGAACGTGCT	GGCATTCGTC	CTAAAGATGT	180
CATTACTAAA	GTAAATGGAA	AATCAATTAA	AGGTAAAGCA	TTAGATGAAG	TTGTCAAAGA	240
TGTTCTGTGT	AAAGAAAAACA	CTGAAGTCAC	TTTAACTGTT	CAACGAGGTA	GTGAAGAAAA	300
AGACGTTAAG	ATTAAACGTG	RAAAAATTCA	TGTTAAAGT	GTTGAGTATW	AGRAAAAAGG	360
TAAAGTTGGA	GTTATTACTA	TTAATAAATT	CCAGAMTGAT	ACATCCAGGT	GRATTGAAAG	420
ATGCAGTTCT	AAAAGCTCAC	CAAAGATGGT	TTGWAAAAGA	TTGTTTTAGA	TTTAAAGAAAT	480
AATCCAGGTG	GACTACTAGA	TGAAGCTGTT	AAAATGGCAA	ATATTTTAT	CGATAAAGGA	540
AAAATGTGTT	TTAAACTARA	AAAAGGTAAA	GATACTGAAG	CAATTCNNAC	TTCTAATGAT	600
GCGTTAAAAG	AAGCGAAAGA	CATGGATATA	TCCATCTTAG	TGAATGAAGG	TTGNGCTNGC	660
GCTTCTGAAG	TGTTTACTGG	TGCGCTAAAA	GACTNTAATA	AAGCTAAAAGT	TTATGGGTCA	720
AAAACATTCTG	GCAAAGGTGT	CGTACAAACT	ACAAGAGAGT	TTAAGGGATG	GTTCAATTGTT	780
AAAATATACT	GAAATGGAAA	TGGTTAACGC	CAGATGGTCA	TTATATTCAC	NGTACAAGGC	840
ATNAAACCAG	ACGTTACTNT	TTGACACACC	TGAAATANCA	ATCTTTTAAA	TGTCATTCTCT	900
AATACGANAA	CATTTAAAGT	TNGGAGACGA	TGAATCTAAA	ATATTAAAC	TATTAAAAWT	960

GGTTTATCAG	CTTTAGGTTA	TAAAGTTGAT	AAATGGAATC	AACGCCAATT	TGGATAAAGC	1020
TTTAGAAAAT	CAAGTTAAAG	CTTYCCAMCA	AGCGAATAAA	CTTGAGGTAM	YKGGKGAWTT	1080
TAATAAAGAA	ACGAATAATA	AATTTACTGA	GTTATTAGTT	GAAAAAGCTA	ATAAACATGA	1140
TGATGTTCTC	GATAAGTTGA	TTAATATTTT	AAAATAAGCG	ATACACACTA	CTAAAATTGT	1200
ATTATTATTA	TGTTAATGAC	ACGCCCTCCTA	AATTTGCAAA	GATAGCAATT	TAGGAGGCGT	1260
GTTTATTTT	ATTGACGTCT	AACTCTAAAA	GATATAAATT	AGACATTTAC	AAATGATGTA	1320
AATAACGCAA	TTTCTATCAT	CGCTGATAAC	AATTCATGGT	TTAATATGCA	ATGAGCATAT	1380
ACTTTTTAAA	TAGTATTATT	CACTAGTTTT	AACAATCAAT	TAATTGGTAT	ATGATACTTT	1440
TATTGGTTAT	TTTTATCCCA	TAGTGTGATA	AWTACTATTT	TTCATTCAYA	ATAAAGGTTT	1500
AAAGCATGTT	AATAGTGTGT	TAAGATTAAC	ATGTACTGAA	AAACATGTTT	WACAATAATG	1560
AATATAAGGA	KTGACGTTAC	ATGAWCCGTC	CTAGGTAAAA	TGTCMGAWTT	AGATCAAATC	1620
TTAATCTAG	TAGAAGAAGC	AAAAGAATTA	ATGAAAGAAC	ACGACAACGA	GCAATGGGAC	1680
GTCAGTACC	CACTTTTAGA	ACATTTTGAA	GAAGATATTG	CTAAAGATTA	TTTGTACGTA	1740
TTAGAGGAAA	ATGACAAAAT	TTATGGCTTT	ATTGTTGTCTG	ACCAAGACCA	AGCAGAATGG	1800
TATGATGACA	TTGACTGGCC	AGTAAATAGA	GAAGGCGCCT	TTGTTATTCA	TCGATTAACT	1860
GGTTCGAAAG	AATATAAAGG	AGCTGCTACA	GAATTATTCA	ATTATGTTAT	TGATGTAGTT	1920
AAAGCACGTG	GTGCAGAAGT	CTTTTAAACG	GACACCTTTG	CGTTAAACAA	ACCTGCACAA	1980
GGTTTATTG	CCAAATTTGG	ATTTTCATAAG	GTCGGTGAAC	AATTAATGGA	ATATCCGCCM	2040
TATGATAAAG	GTGAACCATT	TTATGCATAT	TATAAAAATT	TAAAAGAATA	GAGGTAATAT	2100
TAATGACGAA	AATCGCATTT	ACCGGAGGGG	GAACAGTTGG	ACACGTATCA	GTAAATTTWA	2160
RTTTAATTCC	AACTGCATTA	TCACAAGGTT	ATGGARGCGC	TTTATATTGG	TTCTAAAAAT	2220
GGTATTGAAA	GAGAGAATGA	TTGAWTCACC	AACCTACCRG	AAATTAAGTA	TTATCCTATT	2280
TCGGAGTGKT	AAATTAAGAA	GATATATTTT	TTTAGAAAAT	GCCAAAGACG	TATTTAAAGT	2340
ATTGAAAAGG	ATTCTTGATG	CTCGTAAAGT	TTTGAAAAAA	GAAAAACCTG	ATCTATTATT	2400
TTCAAAAGGT	GGATTTGTAT	CTGTGCCTGT	TGTTATTGCA	GCCAAATCAT	TAAATATACC	2460
AACTATTATT	CATGAATCTG	ACTTAACACC	AGGATTAGCG	AATAAGATAG	CACTTAAATT	2520
TGCCAAGAAA	ATATATACAA	CATTTGAAGA	AACGCTAAAC	TACTTACCTA	AAGAGAAAGC	2580
TGATTTTATT	GGAGCAACAA	TTTCGAGAAGA	TTTAAAAAAT	GGTAATGCAC	ATAATGGTTA	2640
TCAATTAACA	GGCTTTWATG	RAAATAAAAA	AGTTTTACTC	GTATGSGGTG	GAAGCTTWGG	2700
AAGTAAAAAA	TTAAATAGCA	TTATTTCGCGA	AAACTTAGAT	GCATTTATTA	CAACAATATC	2760
AAGTGATACA	TTTAACTGGT	AAAGGATTAA	AAGATGCTCA	AGTTAAAAAA	TCAGGATATA	2820
TACAATATGA	ATTTGTTAAA	GNGGATTTAA	CAGATTTATT	AGCAATTACG	GATACAGTAA	2880
TAAGTAGAGC	TGGATCAAAAT	GCGATTTATG	GAGTTCCTTA	CATTACGTNT	ACCAATGTTA	2940
TTAGTACCAT	TAGGTTTAGA	TCAATCCCGA	GGCGAACAAA	TTGACANTGC	AAATCATTTT	3000
GCTGATAAAG	GATATGCTAA	AGCGATTGAT	GAAGAACAAT	TAACAGCACA	AATTTTATTA	3060
CAAGAACTAA	ATGAAATGGA	ACAGGAAAGA	ACTCGAATTA	TCAATAATAT	GAAATCGTAT	3120
GAACAAAGTT	ATACGAAAGA	AGCTTTATTT	GATAAGATGA	TTAAAGACGC	ATTGAATTAA	3180
TGGGGGGTAA	TGCTTTATGA	GTCAATGGAA	ACGTATCTCT	TTGCTCATCG	TTTTTACATT	3240
GGTTTTTGGG	ATTATCGCGT	TTTTCCACGA	ATCAAGACTT	GGGAAATGGA	TTGATAATGA	3300
AGTTTATGAG	TTTGTATATT	CATCAGAGAG	CTTTATTACG	ACATCTATCA	TGCTTGGGGC	3360
TACTAAAGTA	GGTGAAGTCT	GGGCAATGTT	ATGTATTTCA	TTACTTCTTG	TGGCATATCT	3420
CATGTTAAAG	CGCCACAAAA	TTGAAGCATT	ATTTTTTGCA	TTAACAATGG	CATTATCTGG	3480
AATTTGTAAT	CCAGCATTA	AAAATATATT	CGATAGAGAA	AGGACCTGAC	ATTGCTGGCG	3540
TTTGAATTGG	ATGATTAACA	GGRTTTAGTT	TTCTTGAGCG	GTCATGCTAT	GG	3592

(2) INFORMATION FOR SEQ ID NO: 64:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2573 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:

ATTCGAGCTC	GGTACCCGKG	GATCCTSYAG	AGTCGATCCG	CTTGAAACGC	CAGGCACTGG	60
TACTAGAGTT	TTGGGTGGTC	TTAGTTATAG	AGAAAGCCAT	TTTGCATTGG	AATTACTGCA	120
TCAATCACAT	TTAATTTCTT	CAATGGATTT	AGTTGAAGTA	AATCCATTGA	TTGACAGTAA	180
TAATCATACT	GCTGAACAAG	CGGTTTCATT	AGTTGGAACA	TTTTTTGGTG	AAACTTTTATT	240
ATAAATAAAT	GATTTGTAGT	GTATAAAGTA	TATTTTGCTT	TTTGCACTAC	TTTTTTTTAAT	300
TCACTAAAAAT	GATTAAGAGT	AGTTATAATC	TTTAAATAAT	TTTTTTTCTA	TTTAAATATA	360
TGTTTCGTATG	ACAGTGTAGT	AAATGATTGG	TATAATGGGT	ATTATGGAAA	AATATTACCC	420
GGAGGAGATG	TTATGGATTT	TTCCAACCTT	TTTCAAAACC	TCAGTACGTT	AAAAATTGTA	480
ACGAGTATCC	TTGATTTACT	GATAGTTTGG	TATGTACTTT	ATCTTCTCAT	CACGGTCTTT	540
AAGGGAACATA	AAGCGATACA	ATTACTTAA	GGGATATTAG	TAATTGTTAT	TGGTCAGCAG	600
ATAATTWTGA	TATTGAACTT	GACTGCMACA	TCTAAATTAT	YCRAWWYCGT	TATTCMATGG	660
GGGGTATTAG	CTTTAANAGT	AATATTCCAA	CCAGAAATTA	GACGTGCGTT	AGAACAACCT	720
GGTANAGGTA	GCTTTTTTAA	ACGCNATACT	TCTAATACGT	ATAGTAAAGA	TGAAGAGAAA	780

TTGATTCAAT	CGGTTTCAAA	GGCTGTGCAA	TATATGGCTA	AAAGACGTAT	AGGTGCATTA	840
ATTGTCTTTG	AAAAAGAAAC	AGGTCTTCAA	GATTATATTG	AAACAGGTAT	TGCCAATGGA	900
TTCAAATATT	TCGCAAGAAC	TTTTAATTAA	TGTCTTTATA	CCTAAACACAC	CTTTACATGA	960
TGGTGCAAKG	ATTATTCAAG	GCACGAARAT	TGCAGCAGCA	GCAAGTTATT	TGCCATTGTC	1020
TGRWAGTCCT	AAGATATCTA	AAAGTTGGGT	ACAAGACATA	GAGCTGCGGT	TGGTATTTCA	1080
GAAGTTATCT	GATGCATTTA	CCGTTATTGT	ATCTGAAGAA	ACTGGTGATA	TTTCGGTAAC	1140
ATTTGATGGA	AAATTACGAC	GAGACATTTT	AAACCGAAAT	TTTTGAAGAA	TTGCTTGCTG	1200
AACATTGGTT	TGGCACACGC	TTTCAAAAGA	AAGKKKTGAA	ATAATATGCT	AGAAAKTAA	1260
TGGGGCTTGA	GATTTATTGC	CTTTCTTTTT	GGCATTGTTT	TTCTTTTTAT	CTGTTAACAA	1320
TGTTTTTGGG	AATATTCTTT	AAACACTGGT	AATTCTTGGT	CAAAAGTCTA	GTAAAACGGA	1380
TTCAAGATGT	ACCGTTGAA	ATTCTTTATA	ACAACATAAG	ATTTGCATTT	AACAAAAGCG	1440
CCTGAAACAG	TTAATGTGAC	TATTTTCAGGA	CCACAATCAA	AGATAATAAA	AATTGAAAAT	1500
CCAGAAGATT	TAAAGTAGT	GATTGATTTA	TCAAAATGCTA	AAGCTGGAAA	ATATCAAGAA	1560
GAAGTATCAA	GTTAAAGGGT	TAGCTGATGA	CATTCATTAT	TCTGTAAAAC	CTAAATTAGC	1620
AAATATTACG	CTTGAAAACA	AAGTAACTAA	AAAGATGACA	GTTCAACCTG	ATGTAAGTCA	1680
GAGTGATATT	GATCCACTTT	ATAAAATTAC	AAAGCAAGAA	GTTTCACCAC	AAACAGTTAA	1740
AGTAACAGGT	GGAGAAGAAC	AATTGAATGA	TATCGCTTAT	TTAAAAGCCA	CTTTTAAAC	1800
TAATAAAAAG	ATTAATGGTG	ACACAAAAGA	TGTCGCAGAA	GTAACGGCTT	TTGATAAAA	1860
ACTGAATAAA	TTAAATGTAT	CGATTCAACC	TAATGAAGTG	AATTTACAAG	TTAAAGTAGA	1920
GCCTTTTAGC	AAAAAGGTTA	AAGTAAATGT	TAAACAGAAA	GGTAGTTTRS	CAGATGATAA	1980
AGAGTTAAGT	TCGATTGATT	TAGAAGATAA	AGAAATTGAA	TCTTCGGTAG	TCGAGATGAC	2040
TTMCAAAATA	TAAAGCAAGT	TGATGCAGAA	GTAGATTTAG	ATGGTATTTT	AGAATCAACT	2100
GAAAAGACTG	TAAAAATCAA	TTTACCAGAA	CATGTCACCT	AAGCACAACC	AAGTGAACCG	2160
AAGGCTTATA	TAAATGTAAA	ATAAATAGCT	AAATTAAAGG	AGAGTAAACA	ATGGGAAAAT	2220
ATTTTGGTAC	AGACGGAGTA	AGAGGTGTCG	CAAACCAAGA	ACTAACACCT	GAATTGGCAT	2280
TTAAATTAGG	AAGATACGGT	GGCTATGTTT	TAGACATAAA	TAAAGGTGAA	AAACACCCAC	2340
GTGTACTTGT	AGGTGCGGAT	ACTAGAGTTT	CAGGTGAAAT	GTTAGAATCA	GCATTAATAG	2400
CTGGTTTGAT	TTCAATTGGT	GCAGAAGTGA	TGCGATTAGG	TATTATTTCA	ACACCAGGTG	2460
TTGCATATTT	AACACGCGAT	ATGGGTGCAG	AGTTAGGTGT	AATGATTTCA	GCCTCTCATA	2520
ATCCAGTTGC	AGATAATGGT	ATTAAATTCT	TTGSCTCGAC	CNCCNNGCTN	GCA	2573

(2) INFORMATION FOR SEQ ID NO: 65:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2976 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:

GRTCGACTCT	AGAGTCGATC	TTTAAATGGG	TCTCTTTCAA	CAACCGCGTC	ATATTTTTMA	60
ACATAACCTT	TTTTTRATAAG	TCCATCTAAA	CTGGATTTTR	AAAAGCCCAT	ATCCTCAATA	120
TCAGTTAAAA	ATATTGTTTT	ATGTTGTCTT	TCAGACAAGT	AAGCATACAA	ATCGTATTGT	180
TTAATAACTT	TATCCCAACT	AGCTAATACT	TCTCAGGAT	GATACCCCTC	AATGACACGA	240
ACAGCACGCT	TGGTTTTTTT	AGTTATATTT	TGTGTGAGAA	TCGTTTTTTC	TTCAACGATA	300
TCATCTTTTA	ACAACCTCAT	AAGCAATTGA	ATATCATTAT	TTTTTTGCGC	ATCTTTATAA	360
TAATAGTAAC	CATGCTTATC	AAATTTTTGT	AATAAAGCTG	AAGGTAGCTC	TATGTCATCT	420
TTTCATCTTA	ATGCTTTTTT	ATACTTCGCT	TTAATAGCAC	TCGGAAGCAT	CACCTCTAGC	480
ATAGAAATAC	GTTTAATGAC	ATGAGTTGAA	CCCATCCACT	CACTTAAAGC	TATTAATTCT	540
GATGTTAATT	CTGGTTGTAT	ATCTTTCACT	TCTATGATTT	TTTTTAACTT	CGAAACGTCA	600
AGTTGTGCAT	CAGGTTCTGC	TGTTACTTCC	ATTACATAAC	CTTGAATCGT	TCTTGGTCCA	660
AAAGGTACAA	TTACACGCAC	ACCAGGTTGG	ATGACAGATT	CGAGTTGTTT	GGGAATTATA	720
TAATCAAATT	TATAGTCAAC	GCTCTTCGAC	GCGACATCGA	CTATGACTTT	CGCTATCATT	780
ATKGCCACCT	AGTTTCTAGT	TCATCTAAAA	TTTGTGCAGC	WAATACTACK	TTTTKNCCTT	840
YCTTGATATT	TACKTTTTCA	TTAKTTTTAA	AATGCATTGT	CAATTCATTA	TCATCAGAAC	900
TAAATCCGAT	AGACATATCC	CCAACATTAT	TTGAAATAAT	CACATCTGCA	TTTTCTTTCG	960
GTAATTTTTG	TTGTGCATAA	TTTTCATAT	TCTCAGTCTC	TGCTGCAAG	CCTATTAAAT	1020
ACTGTGATGT	TTTATGTTCA	CCTAAATATT	TAAGAATGTC	TTTAGTACGT	TTAAAAGATA	1080
CTGACAAATC	ACCATCCTGC	TTTTTTCATCT	TATGTTCCCTA	ATACATCAAC	CGGTGTATAG	1140
TCAGATACGG	CTGCTGCTTT	TACAACAATA	TYTTGTTCCG	TYAAATCGGC	TTGTCATCTG	1200
GTTCAAAACAT	ACTTTCAGGC	ACTTTGRACA	TGAATAACTT	CAATATCTTT	TGGATCCTCT	1260
AGTGTGTAG	GACCAGCAAC	TAACGTCACG	ATAGCTCCTC	GATTTTCGCA	TGCTTCAGCT	1320
ATTGCATAGC	CCATTTTTTC	AGAAGAACGA	TTGGATACAA	ATCTGACTGG	ATCGATAACT	1380
TCAATAGTTG	GTCCTGCTGT	AACCAATGCG	CGTTTATCTT	GAAATGAACT	ATTAGCTAAA	1440
CGATTAACTAT	TTTGAATAAT	AGCATCAATT	ACAGAAACGA	TTTGAAGCGG	TTCTTCCATA	1500
CGTCCTTTAG	CAACATAACC	ACATGCTAGA	AATCCGCTTC	CTGGTTTCGAT	AAAATGATAC	1560
CCATCTTCTT	TTAAATATT	AATATTTTGC	TGCGTTACGT	TTATTTTCAT	ACATATGCAC	1620



ATTCATAGCA	GGCGCAATAA	ATTTCCGGTGT	CTCTGTTGCT	AGCAACGTTG	ATGTCACCAA	1680
ATCATCAGCA	ATACCTACAC	TCAATTTTGC	AATTGTATTT	GCCGTTGCAG	GTGCAACAAT	1740
GATTGCATCK	GCCCAATCCA	CCTAATGCAA	TATGCTGTAT	TTCTGGAAGG	ATTTTYTTCT	1800
ATAAAAGTAT	CTGTATAAAC	AGCATTTCGA	MTTATTGCTT	GAAATGCTAA	TGGTGTCACA	1860
AATTTTTGTG	CGTGATTTCG	TAAACATAAC	GCGAACTTCA	TAACCCAGAT	TGTGTTAACT	1920
TACTTGTCAA	ATCAATTGCT	TTATATGCCG	CAATGCCACC	TGTAACGGCT	AATAATATTT	1980
TCTTCATATT	CAATCTCCCT	TAAATATCAC	TATGACATTT	ACGCTTTACA	TCATCATATG	2040
CGCACAAATG	CTCATTACTT	TTTTATAGAT	ACAAATTTAG	TATTATTATA	ACATCAATCA	2100
TTGGATAAAC	TAAAAAACA	CACCTACATA	GGTGCGTTTG	ATTTGGATAT	GCCTTGACGT	2160
ATTTGATGTA	ACGTCTAGCT	TCACATATTT	TTAATGGTCG	AAACTATTCT	TTACCATAAT	2220
AATCACTTGA	AATAACAGGG	CGAATTTTAC	CGTCAGCAAT	TTCTTCTAAC	GCTCTACCAA	2280
CTGGTTTAAA	TGAATGATAT	TCACTTAATA	ATTCAGTTTC	AGGTTGTTCA	TCAATTTTAC	2340
GCGCTCTTTT	CGCTGCAGTT	GTTGCAATTA	AATACTTTGA	TTTAATTTGT	GACGTTAATT	2400
GGTTTAAAGG	TGGATTTAAC	ATTATTTTTT	AGCCTCCAAA	ATCATTTTTT	TATACTTAGC	2460
TTCTACGCGC	TCTCTTTTTA	AGTGCTCAGC	TTCTACAATA	CATTGAATTC	TATTCTTCGC	2520
AAGTTCTACT	TCATCATTA	CTACAACGTA	ATCGTATAAA	TTCATCATTT	CAACTTCTTT	2580
ACGCGCTTCG	TTAATACGAC	TTTGTATTTT	CTCATCAGAT	TCTGTTCTTC	TACCTACTAA	2640
TCGCTCTCTC	AAGTGTTCCT	AACTTGGAGG	TGCTAAGAAA	ATAAATAGCG	CATCTGGAAA	2700
TTTCTTTCTA	ACTTGCTTTG	CACCTTCTAC	TTCAATTTCT	AAAAATACAT	CATGACCTTC	2760
GTCCATTGTA	TCTTTAACAT	ATTGAACTGG	TGTACCATAA	TAGTTGCCTA	CATATTCAGC	2820
ATATTCTATA	AATTGGTCAT	CTTTGATTAA	AGCTTCAAAC	GCATCCCTAG	TTTTAAAAAA	2880
GTAATCTACG	CCATTCAACW	TCACCTTCAC	GCAATTGACG	TGTTGTCATT	GGAATAGRAG	2940
AGCTTRANNG	ATGTATNGNG	ATCGACCTGC	AGTCAT			2976

(2) INFORMATION FOR SEQ ID NO: 66:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	540 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:

TACCCGGGGA	CCTTGAAAAA	TACCTGGTGT	ATCATACATA	AATGANGTGT	CATCTANAGG	60
AATATCTATC	ATATCTNAAG	TTGTTCCAGG	GANTCTTGAA	GTGTTACTA	CATCTTTTTC	120
ACCAACACTA	GCTTCAATCA	GTTTATTAAT	CAATGTAGAT	TTCCCAACAT	TCGTTGTCCC	180
TACAAATATAC	ACATCTTCAT	TTTCTCGAAT	ATTCGCAATT	GATGATAATA	AGTCNTNTNT	240
GCCCCAGCCT	TTTTCAGCTG	AAATTAATAC	GACATCGTCA	GCTTCCAAAC	CATATTTTCT	300
TGCTGTTCGT	TTTAACCAT	CTTTAATTCG	ACGTTTATTA	ATTGTTTCG	GCAATAAATC	360
CAATTTATTT	GCTGCTAAAA	TGATTTTTTT	GTTTCCGACA	ATACGTTTAA	CTGCATTAA	420
AAATGATCCT	TCAAAGTCAA	ATACATCCAC	GACATTGACG	ACAATACCCT	TTTTATCCGC	480
AAGTCCTGAT	AATAATTTTA	AAAAGTCTTC	ACTTTCTAAT	CCTACATCTT	GAATTCGTT	540

(2) INFORMATION FOR SEQ ID NO: 67:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	519 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:

GACGCGTAAT	TGCTTCATTG	AAAAAATATA	TTTGTNGAAA	GTGGTGCATG	ACAAATGTAC	60
TGCTCTTTTT	GTAGTGTATC	AGTATTGTGA	TGTTTTAATG	AGAATATTAT	ATGAATCATT	120
ATGAAATTTA	ATAAAAATAA	AAGAAATGAT	TATCATTTTT	TCTTATATAC	TGTTAAACGG	180
TTTGGAATTT	TAGGTATAC	ACTGTATTGG	TTGATATAAC	TCAACTAATA	ATTGCGAACA	240
GAGTATTTCA	AATTGAAAAG	TATTATGAGC	GTGATACATA	ATCAAAATTG	TAGGCTCAAG	300
AACCACTACA	TAATAAACCA	TAAGCGGTTT	TTTATCATTT	ATGTCTCGCT	CTCAAATGTA	360
AATTAATAAT	TGTTTTGGGG	GAGTTTGAAG	TTAAATATTT	AACAGGATTT	ATTTTAATAT	420
TATTGTTAGA	AGGAATTTTT	ACAAATTCAG	CGAGTGCAAT	CGAATATTCA	GACTTACATC	480
ATAAAAGTAA	GTTTGATTCA	AAGCGTCCTA	AGTTAATGC			519

(2) INFORMATION FOR SEQ ID NO: 68:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 3308 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:

ACCAATATAT	GCATCTGAAC	GACTTAATAT	CTTTTCGCCT	GTGTTTAACA	CTTTACCTGC	60
AGCGTTAATA	CCTGCCATCA	ATCCTTGTC	TGCTGCTTCT	TCATAACCAG	ATGTACCATT	120
AATTTGACCT	GCAGTATATA	AGTTTTTAAT	CATTTTCGTT	TCAAGTGTAG	GCCATAACTG	180
CGTTGGCACA	ATCGCATCAT	ATTCAATTGC	GTAGCCGGCA	CGCATCATAT	CTGCTTTTTC	240
AAGACCTGGT	ATCGTCTCTA	ACATTTGACG	TTGCACATGT	TCAGGAAGAC	TTGTNGACAA	300
TCCTTGACAC	TATACTTCAT	TTGTATTAAC	GACCTTCAGG	CTCTAAGAAA	AAGTTGATGT	360
CGCGGCTTAT	CATTAAATCG	AACAAAATTA	TCTTCAATTG	AAGGGCAATA	ACGTGGCCCCG	420
GTTCCCTTAA	TCATCCCTGA	ATACATTGCA	GATAGATGTA	AATTATCATC	GATAACTTTG	480
TGTGTTTCAN	CATTAGTATA	CGTTAGCCAA	CATGGCAATT	GATCKAMYAT	ATATTCTGTT	540
GTTTCAAAGC	TGAATGCACG	ACCTACATCG	TCACCTGGTT	GTATTTTCAGT	CTTCGAATAR	600
TCAATTGTTT	TTGAATTGTA	CACGGCGGCG	GTGTACCTGT	TTTAAAACGA	ACAATATCAA	660
AACCAAGTTC	TCTTARATGK	GKSTGATAAT	GTGATTGATG	GTAATTGGTG	GATTGGGTCC	720
ACTTGAATAC	TTCATATTAC	CTAAAATGAT	TTCACCACGT	ATRAAATGTT	GCCCGTWGTA	780
ATAATTACTG	CTTTAGATAA	ATACTCTGTA	CCAATATTTG	TACGTACACC	TTKAACTGTC	840
ATTAWCTTCT	ATAAKAAGTT	CGTCTACCAT	ACCTTGCAAT	AATATGCAAA	CTTCTGTCAT	900
CTTCAATCAM	GCGTTTCATT	TCTTGTTGAT	AAAGTACTWT	AKCTGCTTGC	GCCCKTWAGT	960
GCTCTTACAR	CAGGTCCCTT	AACGTGATTT	AACATTCTCA	TTTGAATGTG	TGTTTTATCG	1020
ATTGTTTTTG	CCATTTGTCC	ACCTAAAGCA	TCAATTTTAC	GAACAACGAT	ACCTTTAGCT	1080
GGTCCACCTT	CAGATGGGTT	ACATGGCATA	AATGCAATAT	TATCTAAATT	TATGTGTAGC	1140
ATTAAATGTT	TAGACCACAG	TCTTGACAGT	GCTAAACCTG	CTTCTACACC	TGCATGTCCC	1200
GCACCTATAA	CGATTACATC	ATATTCTTGA	ACCACAATAT	AAACCTCCTT	ATTGATATC	1260
TTACTAGCCK	TCTTAAGACG	GTATTCCTGC	TATTTCAATT	ACTATTTACC	TAAGCAGAAT	1320
TGACTGAATA	ACTGATCGAT	GAGTTCATCA	TCTGCAGTCT	CACCAATAAT	TTCTCCTAAT	1380
ATTTCCCAAG	TTCTAGTTAA	ATCAATTTGT	ACCATATCCA	TAGGCACACC	AGATTCTGCT	1440
GCATCAATCG	CMTCTWGTAT	CGTTTGTCTT	GCTTGTTTTA	ATAATGAAAT	ATGCTTGAA	1500
TTAGAAACAT	AAGTCATATC	TTGATTTTTG	TACTTCTCCA	CCAAAGAACA	AATCTCGAAT	1560
TTGTATTTCT	AATTCATCAA	TACCTCCTTG	TTTTAACATT	GAAGTTTGAA	TAAATGGCGT	1620
ATCACCTATC	ATATCTTTAA	CTTCATTAAT	ATCTATGTTT	TGCTCTAAAT	CCATTTTATT	1680
AACAATTACG	ATTACATCTT	CATTTTTAAC	CACCTCATAT	AATGTGTAAT	CTTCTTGAGT	1740
CAATGCTTCG	TTATTGTTTA	ATACAAATAA	AATTAAGTCT	GCTTGGCTAA	GAGCCTTTCT	1800
AGAGCGTTCA	ACACCAATCT	TCTCTACTAT	ATCTTCTGTC	TCACGTATAC	CAGCAGTATC	1860
AACTAAATTC	AATGGCACGC	CACGAACATT	GACGTATMTT	TCTAAGACAT	CTCTTAGTAT	1920
ACCTGCTACY	TCAGTTACAA	TCGCTTTATT	ATCTTGATTT	AAATTATTTA	ACATCGATGA	1980
TTTACCTACG	TTTGGTTTAC	CAACAATAAC	TGTAGATAAA	CCTTCACGCC	ATAATTTTAC	2040
CTGCGCACC	GGTATCTAAT	AAACGATTAA	TTTCCTGTTT	GATTTCTTTA	GACTGCTCTA	2100
AAAGAAATTC	AGTAGTCGCA	TCTTCAACAT	CATCGTATTC	AGGATAATCA	CACTCTATTA	2160
CCACTTGAGC	GAGTATCTCT	AATATAGATT	GACGTTGTTT	TTTGATTAAG	TCACTTAGAC	2220
GACCTTCAAT	TTGATTCATC	GCAACTTTAG	AAGCTCTATC	TGTCTTCGAG	CGANWAAAGT	2280
CCATAACTGY	TTAGCTTTGA	GATAAATCAA	TACGACCATT	TAAAAAGGCA	MGTTTTGTAA	2340
ATTCAACCTG	GCTCAGCCAT	TCTAGCGCCA	TATGTCATAG	TAAGTTCCAG	CACTCTATTA	2400
ATCGTTAAAA	TACCACCATG	ACAATTAATT	TCTATAATAT	CTTCGCGTGT	AAATGTTTTT	2460
GGCGCTCTTA	ACACAGACAC	CATAACTTNT	TCAACCATTG	TTTAGACTCT	GGATCAATAA	2520
TATGACCGTA	ATTAATCGTA	TGTGATGGAA	CATCATTTAA	AAGATGTTTT	CCTTTATATA	2580
ATTTGTCAGC	AATTTCAACG	GCTTGCGGTC	CAGACAATCG	AACAATTCCA	ATTGCCCTTT	2640
CACCCATTGG	TGTTGAAATA	CTCGTAATTG	TATCTAAATC	CATATTGCTA	CTCGCCTCCT	2700
TCAACGATGT	GAATACATTT	TAAAGTAAGT	TATTATAACC	CTAAGGTCAG	TCTTAACGTT	2760
TGTCTGAGGT	AAGACTTCGG	GATGTGTTGA	GTGGTTAATG	TTTTCTCTCC	CCTACCCCTAT	2820
CCTTACTTAA	TCTTTTTTAT	AAAAACTTTG	GCAATTTTAA	GTACGTGCTC	AAGACTATTG	2880
TGTATTTGTA	AAGTCGTCAT	ATCTTTAGCT	GGCTGTCTTG	CTATTACAAT	AATATCTTTG	2940
GCCAATATAT	GCGACTTATG	TACTTTGAAA	TTTTACGTA	TTGCTCTTTT	AATCTTGTTT	3000
CTTAACACTG	CATTACCTAG	TTTTTTAGAA	ACACTAATAC	CTAAGCGAAA	ATGGTCTATT	3060
TCTTTATTAT	TACAAGTGTA	TACAACAAAT	TGCTGTGTTG	CTACAGAATG	ACCTTTTTTA	3120
TATATTTCTCT	GAAAATCTGC	ATTCTTTTTA	ATTCGGTAAG	CTTTTTTCAA	TAACTCACT	3180
CGCTTATTTA	TCGTTTTTAT	TTGAAGCTAT	ATTTAAACTT	CTATTGAGCT	TATAACATAA	3240
ATTTCTATTT	ATTCTTAATT	TAAACGAAAA	AAAAGATCGA	CTCTAGAGGA	TCCCCGGGTA	3300
CCGAGCTC						3308

(2) INFORMATION FOR SEQ ID NO: 69:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1004 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:

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AGTTACGGCT TAATACTTGA ACCNAAAACC CAATTTTATA ATATGTATAG AAAAGGCTTG      60
CTCAAACCTTG CTAATGAGGA TTTAGGTGCT GACATGTATC AGTTGCTGAT GTCTAANATA      120
GAACAATCTC CTTTCCATCA ATACGAAATA TCTAATTTTG CATTAGATGG CCATGANTCN      180
NAACATAATA AGGTTTACTG GTTTAATGAG GAATATTATG GATTTGGAGC AGGTGCAAGT      240
GGTTATGTAN ATGGTGTGCG TTATACGAAT ATCAATCCAG TGAATCATT TATCAAAGCT      300
ATNAATAAAG AAAGTAAAGC AATTTTAGTA TCAAATAAAC CTTCTTTGAC TGAGAGAATG      360
GAAGAAGAAA TGTTTCTTGG GTTGCGTTTA AATGAAAGTG TGAGTAGTAG TAGGTTCAAA      420
AAGAAGTTTG ACCAATCTAT TGAAAGTGTC TTTGGTCAAA CAATAAATAA TTTAAAAGAG      480
AAGGAATTAA TTGTAGAAAA AGAACGATGT GATTGCACTT ACAAATAGAG GGAAAGTCAT      540
ANGTAATGAG GTTTTTGAAG CTTTCCTAAT CAATGATTAA GAAAAATTGA AATTTCGAGT      600
CTTTAACATT GACCTANTTT GACCAATTTG ATAAATTATA ATTAGCACTT GAGATAAGTG      660
AGTGCTAATG AGGTGAAAAC ATGANTACAG ATAGGCAATT GAGTATATTA AACGCAATTG      720
TTGAGGATTA TGTTGATTTT GGACAACCCG TTGGTTCTAA AACACTAATT GAGCGACATA      780
ACTTGAATGT TAGTCCTGCT ACAATTAGAA ATGAGATGAA ACAGCTTGAA GATTTAAACT      840
ATATCGAGAAA GCACATAGT TCTTCAGGGC GTTCGCCATC ACAATTAGGT TTAGGTATT      900
ATGTCAATCG TTTACTTGAA CAAACATCTC ATCAAAAAAC AAATAAATTA AGACGATTAA      960
ATCAATTGTT AGTTGAGAAC AATATGATGT TTCATCAGCA TTGA                               1004
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(2) INFORMATION FOR SEQ ID NO: 70:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1021 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:

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CCTGCAGGTC GATCCTGACA ACATTCTAAT TGTATTGTTT AATTATTTTT TGTCGTCGTC      60
TTTTACTTCT TTAAATTCAG CATCTTCTAC AGTACTATCA TTGTTTTGAC CAGCATTAGC      120
ACCTTGCTGCT TGTGTTGCT GTTGAGCCGC TTGCTCATAT ACTTTTGCTG ATAATTCTTG      180
AATCACTTTT TCAAGTTCTT CTTTTTTAGA TTTAATATCT TCTATATCTT GACCTTCTAA      240
AGCAGTTTTA AGAGCGTCTT TTTTCTCTTC AGCAGATTTT TTATCTTCTT CACCGATATT      300
TTCGCCTAAA TCAGTTAAAG TTTTCTCAAC TTGGAATACT AGACTGTCAG CTTGCTTTCT      360
TAAGTCTACT TCTTCACGAC GTTTTTTATC TGCTTCAGCG TTAACCTCAG CATCTTTTAC      420
CATACGGTCR ATTTCTTCGT CTGATAATGA AGAAGTTGAT TGAATTGTAA TTCTTTGTTT      480
TTTATTTGTA CCTAAGTCTT TTGGCAGTTA CATTTACAAT ACCGTTTTTA TCGATATCAA      540
ACGTTACTTC AATTGGAGG TTTACCACCG TTTTCARMWGG TGGAATATCA GTCAATTGGA      600
ATCTACCAAG TGTTTTATTA TCCGCAGCCA TTGGACGTTT ACCTTGTAAT ACGTGTACAT      660
CTACTGATGG TTGATTATCT ACTGCTGTTG AATAGATTG AGATTTAGAT GTAGGAATCG      720
TAGTGTTACG TTCAATTAAC GTATTCATAC GTCCACCTAA AATTTCAATA CCTAAAGATA      780
GTGGTGTTAC GTCTAATAAT ACTACGTCTT TAACGTCACC TGTGATAACG CCACCTTGGA      840
TTGCAGCTCC CATTGCCACT ACTTCGTCGG GGTTTACTCC TTTGTTAGGC TCTTTACCGA      900
TTTCTTTTTT GACAGCTTCT TGTACTGCTG GAATACGAAT TGATCCACCA ACTAAGATAA      960
CTTCATCGAT ATCTGANTTT GTTAAGCCAG CGTCTTTCAT TGCTTGGCGT GTAGGTCCAT      1020
C                                                                                   1021
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(2) INFORMATION FOR SEQ ID NO: 71:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 3010 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:

ATGCCTGCAG	GTCGATCAG	ATGNAAGTCA	TTCAATAAGA	ATGATTATGA	AAATAGAAAC	60
AGCAGTAAGA	TATTTTCTAA	TTGAAAATCA	TCTCACTGCT	GTTCCTTTAAA	GGTTTATACC	120
TCATCCTCTA	AATTATTTAA	AAATAATTAA	TGGTATTTGA	GCACGTTTAG	CGACTTTATG	180
ACTGACATTA	CCAATTTCCA	TTTCTTGCCA	GATATTCAAA	CCACGTGTAC	TCAAAATGAT	240
AGCTTGGTAT	GTACCTCCAA	TAGTAATTTT	AATAACTTTG	TCTGTTGAAC	ACTAAGAGCA	300
ATTTTAATTT	CATAATGTGT	TGTAAACATT	TTTTTTGATT	GGAGTTTTTT	TCTGAGTTAA	360
ACGATATCCT	GATGTATTTT	TAATTTTGCA	CCATTTTCAA	AAGGATAAGT	GACATAAGTA	420
AAAAGGCATC	ATCGGGAGTT	ATCCTATCAG	GAAAACCAAG	ATAATACCTA	AGTAGAAAAG	480
TGTTCAATCC	GTGTTAAATT	GGGAAAATATC	ATCCATAAAC	TTTATTACTC	ATACTATAAT	540
TCAATTTTAA	CGTCTTCGTC	CATTTGGGCT	TCAAATTCAT	CGAGTARTGC	TCGTGCTTCT	600
GCAATTGATT	GTGTGTTTAT	CAATTGATGT	CGAAGTTTCG	TAGCGCCTCT	TATGCCACGC	660
ACATAGATTT	TAAAGAATCT	ACGCAAGCTC	TTGAATTGTC	GTATTTTCATC	TTTTTCATAT	720
TTGTTAAACA	ATGATAAATG	CAATCTCAAT	AGATCTAATA	GTTTCCTTGCT	TGTGTGTTTCG	780
CGTGGTTCTT	TTTCAAAAGC	GAATGGATTG	TGGAAAATGC	CTCTACCAAT	CATGACGCCA	840
TCAATGCCAT	ATTTTCTGCT	CAGTTCAAGT	TTTTTTTTC	TATCGGGAAT	ATCACCCTTA	900
ATTGTTAACA	ATGTATTTGG	TGCAATTTTCG	TCACGTAAAT	TTTTAATAGC	TTTCGATTAAT	960
TCCCAATGTG	CATCTACTTT	ACTCATTTCT	TTACGTTGTA	CGAAGATGAA	TAGATAAAAT	1020
GGCAATGCTT	TGTTCTGAAGA	CAKTGCTTCA	ACCAATCTTT	CCATTTCATCG	ATTTCAATAK	1080
AGCCAAGGCG	TGTTTTTAAC	ACTTTACCGG	AASCCACCT	GCTTTAGTCG	CTTGAATAAT	1140
TTCGGCAGCA	ACGTCAGGTC	TTAAGATTAA	GCCGGANCCC	TTACCCTTTT	TAGCAACATT	1200
TGCTACAGGA	CATCCCATAT	TTAAGTCTAT	GCCTTTAAAG	CCCATTTTAG	CTAATGAAT	1260
ACTCGTTTCA	CGGAAGTGT	CTGGCTTATC	TCCCATATA	TGAGCGACCA	TCGGCTGTTC	1320
ATCTTCACTA	AAAGTTAAGC	GTCCGCGCAC	ACTATGTATG	CNTTCAGGGT	GGCAAAAGCT	1380
TTCTGATTTT	GTAATTCAG	TGAAAAACAC	ATCCRGTTCTA	GNTGCTTCAN	TTACAACGTG	1440
TCGAAAGACG	ATATCTGTAA	CGTCTTCCAT	TGGCGCCAAA	ATAAAAAATG	GACGTGTGTA	1500
TTCACTCCAA	AAATTTTCTT	TCATAATATA	TTTATACCTT	CTTTATAAAT	AGTATCTCGA	1560
TTTTTTATGC	ATGATGATAT	TACCACAAAA	GCNTAACTTA	TACAAAAGGA	ATTTCAATAG	1620
ATGCAACCAT	TKGAAAAGGG	AAGTCTAAGA	GTGAATTTCAA	ATAAATGTTG	TGGTAAGTTG	1680
ATCAATACAA	AGATCAAGGA	TTATAGTATT	AAATTGTTCA	TTATTAATGA	TACACTACTT	1740
ATGAATATGA	TTCAGAATTT	TCTTTGGCTA	CTNCTTACAG	TAAAGCGACC	TTTTAGTTAT	1800
CTTATAACAA	AGACAAATTT	CTAAAGGTGA	TATTATGGAA	GGTTTAAAGC	ATTCCTTTAA	1860
AAGTTTAGGT	TGGTGGGATT	NATTTTTTGC	GATACCTATT	TTTCTGCTAT	TCGCATACCT	1920
TCCAAACTNT	AATTTTATAA	NCATATTTCT	TAACATTGTT	ATCATTATTT	TCTTTTCCNT	1980
AGGTTTGATT	TTAACTACGC	ATATAATTAT	AGATAAAAYT	AAGAGCAACA	CGAAATGAAT	2040
CATTAATACG	GAATGTGATT	AAAACATAAA	ACTGAAGGAG	CGATTACAAT	GGCGACTAAG	2100
AAAGATGTAC	ATGATTATT	TTTAAATCAT	GTGAATTTCAA	ACGCGGTTAA	GACAAGAAAG	2160
ATGATGGGAG	AATATATTAT	TTATTATGAT	GGCGTGGTTA	TAGGTGGTTT	GTATGATAAT	2220
AGATTATTGG	TCAAGGCGAC	TAAAAGTGCC	CAGCAGAAAT	TGCAAGATAA	TACATTAGTT	2280
TCGCCATATC	CAGGTTTCTA	AAGAAATGAT	ATTAATTTTA	GACTTTACCG	AAGCAACAAA	2340
TCTCACTGAT	TTATTTAAGA	CCATAAAAAA	TGATTTGAAA	AAGTGAAGTA	GTGAAGTGTG	2400
GGTGCAAGGA	GAACCTAAGC	CATCGWTAAG	TGGTCGCTTG	TTAAAGAAGA	GTGACGGTCA	2460
CTCTTCTTTA	TGTGCATATT	TTATTTTGTC	TGTTTBGTTA	ACAAGCAGCA	GTGTAACAAA	2520
TATGAGTAAG	GATAAAATGA	GTATAATATA	GAAACCGAAT	TTATCATTA	TTTCATTAAT	2580
CCATCTTCTT	AAAATGGAG	CAATTAAGCT	TTGCAGTAAC	AATGAAATTG	ACGTCCATAT	2640
CGTAAATGAG	GACCGACATG	ATTTATCTGA	AACAGTGTTT	ATTATAGCWG	TATTCATATA	2700
AATTCTGATT	GATGAAATTG	AGTAGCCTAG	TATAAAKGAT	CCTATGAATA	AGTAAATGTC	2760
TGAGTTTATC	CAAATAAATA	GTGCKGAATT	TATGACTRRR	TATGAAATAT	AACAAAAATA	2820
TCACATACTT	TAGKTGAGAT	TTTCTTSGAA	AGAATAGCTG	AAATTAAACC	TGCACATAAT	2880
CCTCCAATGC	CATATAACAT	ATCTGAAMAA	CCAAAKTGTA	CAGACCGAAA	GTTTTAAAC	2940
ATTATAAACA	TATCCTGGTA	ATGATATGTT	AAAGATCGAC	TCTAGAGGAT	CCCCGGNTAC	3000
CGAGCTCGAA						3010

(2) INFORMATION FOR SEQ ID NO: 72:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	548 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:

ATCGGTACCC	GGGGACCAAT	ANACAGAAAAG	TATATTAAGT	TTNGTAAATA	ATGTACGTAC	60
TNAAGATGGT	GGTACACATG	AAGTTGGTTT	TAAAACAGCA	ATGACACGTG	TATTTAATGA	120
TTATGCACGT	CGTATTAATG	AACTTAAAC	AAAAGATAAA	AACTTAGATG	GTAATGATAT	180
TCGTGAAGGT	TTAACAGCTG	TTGTGTCTGT	TCGTATTCCA	GAAGAATTAT	TGCAATTTGA	240

ANGACAAACG	AAATCTAAAT	TGGGTACTTC	TGAAGCTAGA	AGTGCTGTTG	ATTCAGTTGT	300
TGCAGACAAA	TTGCCATTCT	ATTTAGAAGA	AAAAGGACAA	TTGTCTAAAT	CACTTGTGGA	360
AAAAAGCGAT	TAAAGCACAA	CAAGCAAGGG	AAGCTGCACG	TAAAGCTCGT	GAAGATGCTC	420
GTTCAGGTAA	GAAAAACAAG	CGTAAAGACA	CTTTGCTATC	TGGTAAATTA	ACACCTGCAC	480
AAAGTTAAAA	ACACTGAAAA	AAAATGAATT	GTATTTAGTC	GAAGGTGATT	CTGCGGGAAG	540
TTCAGCAA						548

(2) INFORMATION FOR SEQ ID NO: 73:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	541 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:

ACTGCAGGTC	GAGTCCAGAG	GWCTAAATTA	AATAGCAATA	TTACTAAAAC	CATACCAATG	60
TAAATGATAG	CCATAATCGG	TACAATTAAC	GAAGATGACG	TAGCAATACT	ACGTACACCA	120
CCAAATATAA	TAATAGCTGT	TACGATTGCT	AAAATAATAC	CTGTGATTAC	TGGACTAATA	180
TTATATTGCG	TATTTAACGA	CTCCGCAATT	GTATTAGATT	GCACTGTGTT	AAATACAAAT	240
GCAAATGTAA	TTGTAATTAA	AATCGCAAAT	ACGATACCTA	GCCATTTTTG	ATTTAAACCT	300
TTAGTAATAT	AGTAAGCTGG	ACCACCACGG	GAATCCACCA	TCTTTATCAT	GTACTTTATA	360
AACTGAGCC	AAAGTCGCTT	CTATAAATGC	ACTCGCTGCA	CCTATAAATG	CAATAACCCA	420
CATCCAAAAT	ACTGCACCTG	GACCGCCTAA	AACAATCGCA	GTCGCAACAC	CAGCAATATT	480
ACCAGTACCA	ACTCTCGAAC	CAGCACTAAT	CGCAAATGCT	TGGAATGGCG	AAATACCCTT	540
C						541

(2) INFORMATION FOR SEQ ID NO: 74:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	558 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:

AGGGTCTNNC	ACGGTACCCG	GGGNCCAATT	WGATGAGGAG	GAAATCTAGT	GAGTGAAATA	60
ATKCAAGATT	TATCACTTGA	AGATGTTTTA	GGTGATCGCT	TTGGAAGATA	TAGTAAATAT	120
ATTATTCAAG	AGCGTGCAAT	GCCAGATGTT	CGTGATGGTT	TAAAACCAGT	ACAACGTCGT	180
ATTTTATATG	CAATGTATTC	AAGTGGTAAT	ACACACGATA	AAAAATTCCG	TAAAAGTGCG	240
AAAACAGTCG	GTGATGTTAT	TGGTCAATAT	CATCCACATG	GGGAGACTCCT	CAGTGTACGA	300
AGCAATGGTC	CGTTTAAAGTC	AAGACTGGAA	GTTACGACAT	GTCTTAATAG	AAATGCATGG	360
TAATAATGGT	AGTATCGATA	ATGATCCGCC	AGCGGCAATG	CGTTACACTG	AAGCTAAGTT	420
AAGCTTACTA	GCTGAAGAGT	TATTACGTGA	TATTAATAAA	GAGACAGTTT	CTTTCATTCC	480
AAACTATGAT	GATACGACAC	TCCGAACCAA	TGGTATTGCC	ATCAAGAATT	TCCTAACTTA	540
CTAAKTGAAT	GGTTCTAC					558

(2) INFORMATION FOR SEQ ID NO: 75:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2234 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:

AGTCGATCTT	TATTCTACAT	GTCTCGTAAA	AAATTATTGA	AGAGTCAATT	TGCAATGTCT	60
AACGTGGCAT	TCTTAATCAA	CTTCTTCATA	ATGGGAATTT	GGCATGGTAT	CGAAGTGTAT	120
TACATTGTTT	ATGGTTTATA	CCATGCAGCA	TTGTTTATAG	GTTATGGCTA	TTATGAACGT	180
TGGCGTAAGA	AACATCCGCC	ACGTTGGCAA	AATGGTTTCA	CAACAGCACT	TAGCATTGTG	240
ATTACATTCC	ACTTTGTAAC	ATTTGGCTTT	TTAATCTTCT	CAGGTAAACT	TATATAATAA	300

AGGAGAATTT	AATTATGGAA	TTTAGAGAAC	AAGTATTAAA	TTTATTAGCA	GAAGTAGCAG	360
AAAAATGATA	TTGTAAAAGA	AAATCCAGAC	GTAGAAATTT	TTGAAGAAGG	TATTATTGAT	420
TCTTTCCAAA	CAGTTGGATT	ATTATTAGAG	ATTCAAAATA	AACTTGATAT	CGAAGTATCT	480
ATTATGGACT	TTGATAGAAG	ATGAGTGGGC	MACACCAAAT	AAAATCGTTG	AAGCATTAGA	540
AGAGTTACGA	TGAAATTAAA	ACCTTTTTTA	CCCATTTTAA	TTAGTGGAGC	GGTATTCATT	600
GTCTTCTAT	TATTACCTGC	TAGTTGGTTT	ACAGGATTAG	TAAATGAAAA	GACTGTAGAA	660
GATAATAGAA	CTTCATTGAC	AGATCAAGTA	CTAAAAGGCA	CACTCAWTCA	AGATAAGTTA	720
TACGAATCAA	ACAAGTATTA	TCCTATATAC	GGCTCTAGTG	AATTAGGTAA	AGATGACCCA	780
TTTAATCCTG	CAATTGCATT	AAATAAGCAT	AACGCCAACA	AAAAAGCATT	CTTATTAGGT	840
GCTGGTGGTT	CTACAGACTT	AATTAACGCA	GTTGAACTTG	CATCACAGTT	ATGATAAATT	900
AAAAGGTTAA	GAAATTAACA	TTTATTATTT	CACCACAATG	GTTTACAAAC	CCATGGTTTA	960
ACGAATCCAA	AACTTTGATG	CTCSTATGTC	TCAAACCTMA	ATTAATCAAA	TGTTCCASC	1020
AGAAAAACAT	GTCTACTGAA	TTAAAACGTC	GTTATGCACA	ACGTTTATTA	CAGTTTCCAC	1080
ATGTACACAA	TAAAGAATAC	TTGAAATCTT	ATGCTAAAAA	CCCTAAAGAA	ACTAAAGRTA	1140
GTTATATTTT	TGGKTTTWAA	RAGAGATCAA	TTGATTAAAA	TAGAAGCGAT	TAAATCATTG	1200
TTTGCAATGG	ATAAATCTCC	ATTAGAACAT	GTTAAACCTT	GCTACAAAAC	CAGACGCTTC	1260
TTGGGATGAG	ATGAAACAAA	AAGCAGTTGA	AATTGGTAAA	GCTGATACTA	CATCGAATAA	1320
ATTTGGTATT	AGAGATCAAT	ACTGGAAATT	AATTCCAAGA	AAGTAAGCCG	TTAAAGTTAG	1380
ACGTTGACTA	CGAATTCMAT	GTTWATTCTC	CCAGAATTC	MAGATTTAGA	ATTACTGTW	1440
AAAAMMATGC	KTGCTGCTGG	TGCAGATGTT	CAATATGTAA	GTATTCCATC	AAACGGTGTA	1500
TGGTATGACC	ACATTGGTAT	CGATAAAGAA	CGTCGTCAAG	CAGTTTATAA	AAAAATCCAT	1560
TCTACTGTTG	TAGATAATGG	TGGTAAATTT	TACGATATGA	CTGATAAAGA	TTATGAAAAA	1620
TATGTTATCA	GTGATGCCGT	ACACATCGGT	TGGAAGGTT	GGGTTTATAT	GGATGAGCAA	1680
ATTGCGAAAC	ATATGAAAGG	TGAACCACAA	CCTGAAGTAG	ATAAACCTAA	AAATTAAAAAT	1740
ACAAATAGCA	CATAACTCAA	CGATTTTGAT	TGAGCGTATG	TGCTATTTTT	ATATTTTAAA	1800
TTTCATAGAA	TAGAATAGTA	ATATGTGCTT	GGATATGTGG	CAATAATAAA	ATAATTAAATC	1860
AGATAAATAG	TATAAAATAA	CTTTCCCATC	AGTCCAATTT	GACAGCGAAA	AAAGACAGGT	1920
AATAACTGAT	TATAAATAAT	TCAGTATTC	TGCTTTGTT	GTTATTCATA	ATATGTTCTG	1980
TTAECTTAAT	ATCTTTATAT	TAGAATACTT	GTTCTACTTC	TATTACACCA	GGCACTTCTT	2040
CGTGTAAATG	ACGCTCAATA	CCAGCTTTAA	GAGTGATTGT	AGAACTTGGG	CATGTACCAC	2100
ATGCACCATG	TAATTGTAAT	TTAACAATAC	CGTCTTCAC	GTCAATCAAT	GAGCAGTCGC	2160
CACCATCACG	TAATAAAAAAT	GGACGAAGAC	GTTCAATAAC	TTCTGCTACT	TGATCGACCT	2220
GCAGGCATGC	AAGC					2234

(2) INFORMATION FOR SEQ ID NO: 76:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	3305 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:

GAGCTCGGTA	CCCGGGGATC	CTCTAGAGTC	GATCCAATGA	AAATAATATA	TTTTTCATTT	60
ACTGGAAATG	TCCGTCGTTT	TATTAAGAGA	ACAGAACTTG	AAAATACGCT	TGAGATTACA	120
GCAGAAAATT	GTATGGAACC	AGTTTCATGAA	CCGTTTATTA	TCGTTACTGG	CACFATTGGA	180
TTTGGAGAAG	TACCAGAACC	CGTTCAATCT	TTTTTAGAAG	TTAATCATCA	ATACATCAGA	240
GGTGTGGCAG	CTAGCGGTAA	TCGAAATTGG	GGACTAAATT	TCGCAAAAGC	GGGTGCGACG	300
ATATCAGAAG	AGTATAATGT	CCCTTTATTA	ATGAAGTTTG	AGTTACATGG	GAAAAACAA	360
AGACGTTATT	GAATTTAAGA	ACAAGGTGGG	TAATTTTAAT	GAAAACCATG	GAAGAGAAAA	420
AGTACAATCA	TATTGAATTA	AATAATGAGG	TCACTAAACG	AAGAGAAGAT	GGATTCTTTA	480
GTTTAGAAAA	AGACCAAGAA	GCTTTAGTAG	CTTATTTAGA	AGAAGTAAAA	GACAAAACAA	540
TCTTCTTCGA	CACTGAAATC	GAGCGTWTAC	GTTMTTTAGT	AGACMACGAT	TTTTATTTCA	600
ATGTGTTTGA	TATWTATAGT	GAAGCGGATC	TAATTGAAAT	CACTGATTAT	GCAAAATCAA	660
TCCCGTTTAA	TTTTGCAAGT	TATATGTCAG	CTAGTAAATT	TTTCAAAGAT	TACGCTTTGA	720
AAACAAATGA	TAAAGTCAA	TACTTAGAAG	AACTATATCA	ACACGTTGCC	ATTGTTGCTT	780
TATACCTAGC	AAATGGTAAT	AAAGCACAA	CTAAACAATT	TATTTCTGCT	ATGGTTGAAC	840
AAAGATATCA	ACCAGCGACA	CCAACATTTT	TAAACGCAAG	CCGTGCGCGT	TCGTGGTGGG	900
GCTAGTGTTT	ATTGTTTCTT	TATTAGAAGT	TGGATGGACA	GCTTAAATTC	AATTTAACTT	960
TATTGGATTG	AACTGCAAA	CAATTAAGTW	AAATTGGGGG	CGGSGTTTGC	MATTAACCTTA	1020
TCTAAATTGC	GTGCACGTGG	TGAAGCAATT	AAAGGAATTA	AAGGCGTAGC	GAAAGGCGTT	1080
TTACCTATTG	CTAAGTCACT	TGAAGGTGGC	TTTAGCTATG	CAGATCAACT	TGGTCAACGC	1140
CCTGGTGCTG	GTGCTGTGTA	CTTAAATATC	TTCCATTATG	ATGTAGAAGA	ATTTTTAGAT	1200
ACTAAAAAAG	TAAATGCGGA	TGAAGATTTA	CGTTTATCTA	CAATATCAAC	TGGTTTAATT	1260
GTTCCATCTA	AATTCTTCGA	TTTAGCTAAA	GAAGGTAAGG	ACTTTTATAT	GTTTGCACCT	1320
CATACAGTTA	AAGAAGAATA	TGGTGTGACA	TTAGACGATA	TCGATTTAGA	AAAATATTAT	1380
GATGACATGG	TTGCAAAACC	AAATGTTGAG	AAAAAGAAAA	AGAATGCGCG	TGAAATGTTG	1440

AATTTAATTG	CGCMAACACA	ATTACAATCA	GGTTATCCAT	ATTTAATGTT	TAAAGATAAT	1500
GCTAACAGAG	TGCATCCGAA	TTCAAACATT	GGACAAATTA	AAATGAGTAA	CTTATGTACG	1560
GAAATTTTCC	AACTACAAGA	AACTTCAATT	ATTAATGACT	ATGGTATTGA	AGACGAAATT	1620
AAACGTGATA	TTTCTTGTA	CTTGGGCTCA	TTAAATATTG	TTAATGTAAT	GGAAAGCGGA	1680
AAATTCAGAG	ATTCAAGTTCA	CTCTGGTATG	GACGCATTAA	CTGTTGTGAG	TGATGTAGCA	1740
AATATTCAAA	ATGCACCAGG	AGTTAGAAAA	GCTAACAGTG	AATTACATTC	AGTTGKTCTT	1800
GGGTGTGATG	AATTWACACG	GTTACCTAGC	AAAAAATAAA	ATTGGTTATG	AGTCAGAAGA	1860
AGCAAAAAGAT	TTTGCAAATA	TCTTCTTTAT	GATGATGAAT	TTCTACTCAA	TCGAACGTTT	1920
AATGGAAATC	GCTAAAGAGC	GTGGTATCAA	ATATCAAGAC	TTTGAAAAGT	CTGATTATGC	1980
TAATGGCAAA	TATTTTCGAGT	TCTATACAAC	TCAAGAATTT	GAACCTCAAT	TGAAAAAGT	2040
ACGTGAATTA	TTCGATGGTA	TGGCTATTCC	TACTTCTGAG	GATTGGAAGA	AACTACAACA	2100
AGATGTTGAA	CAATATGGTT	TATATCATGC	ATATAGATTA	GCAATTGCTC	CAACACAAAG	2160
TATTTCTTAT	GTTCAAAATG	CAACAAGTTC	TGTAATGCCA	ATCGTTGACC	AAATTGAACG	2220
TCGTACTTAT	GGTAAATGCG	GAAACATTTT	ACCCTATGCC	ATTCTTATCA	CCACAAACAA	2280
TGTGGTACTA	CAAATCAGCA	TTCAATACTG	ATCAGATGAA	ATTAATCGAT	TTAATTGCGA	2340
CAATTCAAAC	GCATATTGAC	CAAGGTATCT	CAACGATCCT	TTATGTTAAT	TCTGAAATTT	2400
CTACACGTGA	GTTAGCAAGA	TTATATGTAT	ATGCGCACTA	TAAAGGATTA	AAATCACTTT	2460
ACTATACTAG	AAATAAATTA	TTAAGTGTAG	AAGAATGTAC	AAGTTGTTCT	ATCTAACAAAT	2520
TAAATGTTGA	AAATGACAAA	CAGCTAATCA	TCTGGTCTGA	ATTAGCAGAT	GATTAGACTG	2580
CTATGCTGT	ATTTGTCAAT	TATTGAGTAA	CATTACAGGA	GGAAATTATA	TTCATGATAG	2640
CTGTTAATTG	GAACACACAA	GAAGATATGA	CGAATATTGTT	TTGGAGACAA	AATATATCTC	2700
AAATGTGGGT	TGAAACAGAA	TTTAAAGTAT	CAAAAGACAT	TGCAAGTTGG	AAGACTTTAT	2760
CTGAAGCTGA	ACAAGACACA	TTTAAAAAAG	CATTAGCTGG	TTTAAACAGGC	TTAGATACAC	2820
ATCAAGCAGA	TGATGGCATG	CCTTTAGTTA	TGCTACATAC	GACTGACTTA	AGGAAAAAAG	2880
CAGTTTATTC	ATTTATGGCG	ATGATGGAGC	AAATACACGC	GAAAAGCTAT	TCACATATTT	2940
TCACAACACT	ATTACCATCT	AGTGAAACAA	ATTACCTATT	AGATGAATGG	GTTTTAGAGG	3000
AACCCCATTT	AAAATATAAA	TCTGATAAAA	TTGTTGCTAA	TTATCACAAA	CTTTGGGGTA	3060
AAGAAGCTTC	GATATACGAC	CAATATATGG	CCAGAGTTAC	GAGTGTATTT	TTAGAAACAT	3120
TCTTATCTT	CTCAGGTTTC	TATTATCCAC	TATATCTTGC	TGGTCAAGGG	AAAATGACGA	3180
CATCAGGTGA	AATCATTCGT	AAAATTCCTT	TAGATGAATC	TATTCATGGT	GTATTTACCG	3240
GTTTAGATGC	ACAGCATTTA	CGAAATGAAC	TATCTGAAAG	TGAGAAACAA	AAAGCAGATC	3300
GACCT						3305

(2) INFORMATION FOR SEQ ID NO: 77:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1945 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:

TTGATAGTTT	ATTGGAGAGA	AAGAAGTATT	AATCAAGTCG	AAATCGTTGG	TGTATGTACC	60
GATATTTGCG	TGTTACATAC	AGCAATTTCT	GCATACAAC	TAGGTTATAA	AATTTTCAGTA	120
CCTGCTGAGG	GAGTGGCTTC	ATTTAATCAA	AAAGGGCATG	AATGGGCACT	TGCACATTC	180
AAAAACTCAT	TAGGTGCAGA	GGTAGAACAA	CACGTTTAAA	TCGTGCTAAA	ATAATTATAA	240
AGAATACAAT	TTACAAGGGA	GATATTTGAC	AATGGCTAAA	ACATATATTT	TCGGACATAA	300
GAATCCAGAC	ACTGATGCA	TTTCATCTGC	GATTATTATG	GCAGAATTTG	AACAACCTCG	360
AGGTAATTC	GGAGCCAAAG	CATACCGTTT	AGGTGATGTG	AGTGCARAAA	CTCAATTCGC	420
GTTAGATACA	TTTAATGTAC	CTGCTCCGGA	ATTATTAACA	GATGATTTAG	ATGGTCAAGA	480
TGTTATCTTA	GTTGATCATA	ACGAATTTCC	ACAAAGTTCT	GATACGATTG	CCTCTGCTAC	540
AATTAAGCAT	GTAATTGATC	ATCACAGAA	TGCAAAATTT	GAAACTGCTG	GTCCCTTTATG	600
TTATCGTGCT	GAACCAAGTT	GTTGTACAGC	TACAATTTTA	TACAAAATGT	TTAGAGAACC	660
TGGCTTTGAA	ATTAAACCTG	AAATTGCCGG	TTTAATGTTA	TCAGCAATTA	TCTCAGATAG	720
CTTACTTTTC	AAATCACAAC	ATGTACACAA	CAAGATGTTA	AAGCAGCTGA	AGAATTAATA	780
GATATTGCTA	AAGTTGATAT	TCAAAAAGTAC	GGCTTAGATA	TGTTAAAAGC	AGGTGCTTCA	840
ACAACATGATA	AATCAGTTGA	ATTCTTATTA	AACAATGATG	CTAAATCATT	TACTATGGGT	900
GACTATGKGA	YTCGTATTGC	AACAAGTTAA	TGCTGTTGAC	CTTGACGAAG	TGTTAAWTCG	960
TAAAGAAGAT	TTAGAAAAAG	AAATGTTAGC	TGTAAGTGCA	CAAGAAAAAT	ATGACTTATT	1020
TGTACTTGTT	GTTACKGACA	TCATTAATAG	TGATTCTAAA	ATTTTAGTTG	TAGGTGCTGA	1080
AAAAGATAAA	GTTGGCGAAG	CATTCAATGT	TCAATTAGAA	GATGACATGG	CCYTCCTATC	1140
TGGTGTCTGW	TCTCGAAAAA	AACAAATCGT	ACCTCAAATC	ACTGAAGCAT	TAACAAAATA	1200
ATACTATATT	ACTGTCTAAT	TATAGACATG	TTGTATTTAA	CTAACAGTTC	ATTAAAGTAG	1260
AATTTATTTT	ACTTTCCAAT	GAAGTGTGTT	TTATTTACGT	TTGACTAATT	TACAACCCCT	1320
TTTCAATAGT	AGTTTTTATT	CCTTTAGTAA	CCCTAACCCA	CAGATTAGTG	ATTTCTATAC	1380
AATTTCCCTT	TTGTCTTAAC	ATTTTCTTAA	AATATTTGCG	ATGTTGAGTA	TAAATTTTTG	1440
TTTTCTTCCT	ACCTTTTTTC	TTATGATTAA	AGTTATAAAT	ATTATTATGT	ACACGATTCA	1500



TCGCTCTATT	TTCAACTTTC	AACATATATA	ATTCGAAAGA	CCATTTAAAA	TTAACGGCCA	1560
CAACATTCAA	ATCAATTAAT	CGCTTTTTTC	AAAATAATCA	TATAAGGAGG	TTCTTTTCAT	1620
TATGAATATC	ATTGAGCAAA	AATTTTATGA	CAGTAAAGCT	TTTTTCAATA	CACAACAAAC	1680
TAAAGATATT	AGTTTATAG	AAGAGCAATT	AAAGAAGTTA	AGCAAAGCTA	TTAAATCATA	1740
CGAGAGCGAT	ATTTTAGAAG	CACTATATAC	AGATTTAGGA	AAAAATAAAG	TCGAAGCTTA	1800
TGCTACTGAA	ATTGGCATAA	CTTTGAAAAG	TATCAAAATT	GCCCGTAAGG	AACTTAAAAA	1860
CTGGACTAAA	ACAAAAAATG	TAGACACACC	TTTATATTTA	TTCCAACAA	AAAGCTATAT	1920
CAAAAAAGAA	CCTTATGGAA	CAGTT				1945

(2) INFORMATION FOR SEQ ID NO: 78:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2590 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:

TCGAAGCTCGG	TACCCGGGGA	TCCTCTAGAG	TCGATCAACT	ACAACTACAA	TTAAACAAAT	60
TGAGGAAGCTT	GATAAAGTTG	TAAAAATAATT	TTAAAGAGAG	GGAACAATGG	TTAAAGGTCT	120
TAATCATTGC	TCCCCTCTTT	TCTTTAAAAA	AGGAAATCTG	GGACGTCAAT	CAATGTCCTA	180
GACTCTAAAA	TGTTCTGTTG	TCAGTCGTTG	GTTGAATGAA	CATGTACTTG	TAACAAGTTC	240
ATTTCAATAC	TAGTGGGCTC	CAAACATAGA	GAAATTTGAT	TTTCAATTTT	TACTGACAAAT	300
GCAAGTTGGC	GGGGCCCCAA	CATAGAGAAT	TTCAAAAAGG	AATTCTACAG	AAGTGGTGCT	360
TTATCATGTC	TGACCCACTC	CCTATAATGT	TTTGACTATG	TTGTTTAAAT	TTCAAAATAA	420
ATATGATAGT	GATATTTACA	GCGATTGTTA	AACCGAGATT	GGCAATTTGG	ACAACGCTCT	480
ACCATCATAT	ATTCATTGAT	TGTTAATTCG	TGTTTGATA	CACCGCATAA	GATTGCTTTT	540
TCGTTAAATG	AAGGCTCAGA	CCAACGCTTA	ATGGCGTGCT	TTTCAAACTC	ATTATGGCAC	600
TTATAGCATG	GATAGTATTT	ATTACAACAT	TTAAATTTAA	TAGCAATAAT	ATCTTCTTCG	660
GTAAAAATAAT	GGCGACAGCG	TGTTTCAGTA	TCGATTAATG	AACCATAAAC	TTTAGGCATA	720
GACAAAGCTC	CTTAACTTAC	GATTCCTTTG	GATTCCTACC	AATAATGCGA	ACTTACGAT	780
TTAATTTCAAT	GCCAAWTTT	TCTTTGACGG	TCTTTTGATC	ATAATGAATA	AGGTTTTTCAT	840
AATCTGTAGC	AGTTCCATTG	TCTACATTTA	CCATAAAACC	AGCGTGTTTG	GTTGAAACTT	900
CAACGCCGCC	AATACGGTGA	CCTTGCAAAAT	TAGAATCTTG	TATCAATTTA	CCTGCAAAAT	960
GACCAGGCGG	TCTTTGGAAT	ACACTACCAC	ATGAAGGATA	CTCTAAAGGT	TGTTTAAATT	1020
CTCTACGTTT	TGTTAAATCA	TCCATTTTAG	CTTGTATTTT	AGTCATTTTA	CCAGGAGCTA	1080
AAGTAAATGC	AGCTTCTAAT	ACAACATAANT	GTTCTTTTTG	AATAATGCTA	TTACNATAAT	1140
CTAACTCTAA	TTCTTTTGT	GTAAGTTTAA	TTAACGAGCC	TTGTTTCGTT	ACGCAAAGCG	1200
CATRGTCAT	ACAATCTTTA	ACTTCGCCAC	CATAAGCGCC	AGCATTCATA	TACACTGCAC	1260
CACCAATTGA	ACCTGGAATA	CCACATGCAA	ATTCAAGGCC	AGTAAGTGCG	TAATCACGAG	1320
CAACACGTGA	GACATCAATA	ATTGCAGCGC	CGCTACCGGC	TATTATCGCA	TCATCAGATA	1380
CTTCCGATAT	GATCTAGTGA	TAATAAACTA	ATTACAATAC	CGCGAATACC	ACCTTCACGG	1440
ATAATAATAT	TTGAGCCATT	TCCTAAATAT	GTAACAGGAA	TCTCATTTTG	ATAGGCATAT	1500
TTAACAACCTG	CTTGTAATTC	TTCAATTTTA	GTAGGGGTAA	TGTAAAAGTC	GGCATTACCA	1560
CCTGTTTTAG	TATAAGTGTA	TCGTTTTTAA	GGTTCATCAA	CTTTAATTTT	TTCAKTYGRS	1620
MTRARKKSWT	GYAAAGCTTG	ATAGATGTCT	TTATTTATCA	CTTCTCAGTA	CATCCTTTCT	1680
CATGTCTTTA	ATATCATATA	GTATTATACC	AATTTTAAAA	TTCAATTTGCG	AAAATTGAAA	1740
AGRAAGTATT	AGAATTAGTA	TAATTATAAA	ATACGGCATT	ATTGTCGTTA	TAAGTATTTT	1800
TTACATAGTT	TTTCAAAGTA	TTGTTGCTTT	TGCATCTCAT	ATTGTCTAAT	TGTTAAGCTA	1860
TGTTGCAATA	TTTGGTGTTT	TTTTGTATG	AATTGCAAAG	CAATATCATC	ATTAGTTGAT	1920
AAGAGGTAAT	CAAGTGCAAG	ATAAGATTCA	AATGTTTGGG	TATTCATTTG	AATGATATGT	1980
AGACGCACCT	GTTGTTTTAG	TTCATGAAAA	TTGTTAAACT	TCGCCATCAT	AACTTTCTTA	2040
GTATATTTAT	GATGCAAACG	ATAAAACCTT	ACATAATTTA	AGCGTTTTTC	ATCTAAGGAT	2100
GTAATATCAT	GCAAATTTTC	TACACCTACT	AAAATATCTA	AAATTGGCTC	TGTTGAATAT	2160
TTAAAATGAT	GCGTACCGCC	AATATGTTTT	GTATATTTTA	CTGGGCTGTC	TAAGAGGTTG	2220
AATAATAATG	ATTTCAATTT	AGTGTATTGT	GATTTGAAAC	AATTAGTTAA	ATCATTATTA	2280
ATGAATGGTT	GAACATTTGA	ATACATGATA	AACCTCTTTG	ATATTGAAAA	TTAATTTAAT	2340
CACGATAAAG	TCTGGAATAC	TATAACATAA	TTCAATTTTCA	TAATAAACAT	GTTTTTGTAT	2400
AATGAATCTG	TTAAGGAGTG	CAATCATGAA	AAAAATTGTT	ATTATCGCTG	TTTTAGCGAT	2460
TTTATTTGTA	GTAATAAGTG	CTTGTGGTAA	TAAAGAAAAA	GAGGCACAAC	ATCMATTTAC	2520
TAAGCAATTT	AAAGATGTTG	AGCAAACACA	WAAAGAATTA	CAACATGTCA	TGGATAATAT	2580
ACATTTGAAA						2590

(2) INFORMATION FOR SEQ ID NO: 79:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1019 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79:

ATTCGAGCTC	GGTACCCGGG	GATCCTCTAG	AGTCGCTCGA	TAACTTCTAT	ATGAACATCA	60
TGTTTATAAT	ATGCTTTTTT	CAATAATAAC	TGAATTGCC	CAAAAAAGTG	ATCTAATCGT	120
CCGCCTGTG	CACCATAAAT	TGTAATACTA	TCAAATCCAA	GTGCAACAGC	TTTATCAACC	180
GCTAAAGCTA	AATCCGTATC	AGCTTTTTTCA	GCTTGAACGT	GTTTGATTG	TAACTGTTCT	240
GTTAGAAGTT	GGCGTTCCTC	TTTACTGACT	GAATCAAAGT	CTCCCACTGA	GAAAAAAGGG	300
ATAATTTGAT	GCTTCAATAA	AATCAAAGCA	CCTCTATCAA	CGCCGCCCA	TTACCTTCA	360
TTACTTTTGG	CCCAAATATC	TTGCGGCAAG	TGTCGATCAG	AACATAATAA	ATTTATATGC	420
ATATACACTC	AACCTTTCAA	TGCTTGTTGT	GACTTTTTTA	TAATCCTCTT	GTTTAAAGAA	480
AAATGAACCT	GTTACTAGCA	TTGTTAGCAC	CATTTTCAAC	ACAAACTTTC	GCTGTTATCG	540
GTATTTACGC	CTCCATCAAC	TTCAATATCA	AAGTTTAATT	GACGTTCCAT	TTAATAGCA	600
TTAAGACCCG	CTATTTTTTC	TACGCATTGA	TCAATAAATG	ATTGACCACC	AAACCTGGG	660
TTAACTGTCA	TCACGTAGTAC	ATAATCAACA	ATGTCTAAAA	TAGGTTCAAT	TTGTGATATT	720
GGTGTACCAG	GATTAATTAC	TACACCAGCT	TTTTATCTA	AATGTTTAAT	CATTTGAATA	780
GCACGATGAA	ATATGAGGCG	TTGATTTCGAC	ATGAATTGNA	AATCATATCG	GCACCATGTT	840
CTGCAAATGA	TGCAATATAC	TTTTCTGGAA	TTTCAATCA	TCAAATGTAC	GTCTATANGT	900
AATGTTGTGC	CTTTTCTTAC	TGCATCTAAT	ATTGGTAAAC	CAATAGATAT	ATTAGGGACA	960
AATTGACCAT	CCATAACATC	AAAATGAAC	CCGTCGAANC	CCGGCTTCTC	CAGTCGTTT	1019

(2) INFORMATION FOR SEQ ID NO: 80:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1105 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:

CNTGCAATGCC	TGCAGGTCTGA	TCTANCAAAAG	CATATTAGTG	AACATAAGTC	GAATCAACCT	60
AAACGTGAAA	CGACGCAAGT	ACCTATTGTA	AATGGGCCTG	CTCATCATCA	GCAATTCCAA	120
AAGCCAGAAG	GTACGGTGTA	CGAACCAAAA	CCTAAAAAGA	AATCAACACG	AAAGATTGTG	180
CTCTTATCAC	TAATCTTTTC	GTTGTTAATG	ATTGCACTTG	TTTCTTTTGT	GGCAATGGCA	240
ATGTTTGGTA	ATAAATACGA	AGAGACACCT	GATGTAATCG	GGAAATCTGT	AAAAGAAGCA	300
GAGCAAATAT	TCAATAAAAA	CAACCTGAAA	TTGGGTAAAA	TTTCTAGAAG	TTTAGTGAT	360
AAATATCCTG	AAAATGAAAT	TATTAAGACA	ACTCCTAATA	CTGGTGAACG	TGTTGAACGT	420
GGTGACAGTG	TTGATGTTGT	TATATCAAAG	GGSCCTGAAA	AGGTTAAAT	GCCAAATGTC	480
ATTGGTTTAC	CTAAGGAGGA	AGCCTTGCAG	AAATTAAT	CCGTTAGGTC	TTAAAGATGT	540
TACGATTGAA	AAAGTWTATA	ATAATCCAAG	CGCCMAAAGG	ATACATTGCA	AATCAAATG	600
TTAMCCGCAA	ATACTGAAAT	CGCTATTCAT	GATTCTAATA	TTAAACTATA	TGAATCTTTA	660
GGCATTAAAG	AAGTTTATGT	AGAAGACTTT	GAACATAAAT	CCTTTAGCAA	AGCTAAAAAA	720
GCCTTAGAAG	AAAAAGGGTT	TAAAGTTGAA	AGTAAGGAAG	AGTATAGTGA	CGATATTGAT	780
GAGGGTGTAT	TGATTTCTCA	ATCTCCTAAA	GGAAATCAG	TAGATGAGGG	GTCAACGATT	840
TCATTTGTTG	TTTCTAAAGG	TAAAAAAAGT	GACTCATCAG	ATGTCNAAAC	GACAACGTAA	900
TCGGTAGATG	TTCCATACAC	TGGTNAAAT	GATAAGTCAC	AAAAAGTTCT	GGTTTATCTT	960
NAAGATAANG	ATAATGACGG	TTCCACTGAA	AAAGGTAGTT	TCGATATTAC	TAATGATCAC	1020
GTTATAGACA	TCCTTTAAGA	ATTGAAAAAG	GGAAAACGCA	GTTTATTGT	TAAATTGACG	1080
GTAAACTGTA	CTGAAAAAAA	NTCGC				1105

(2) INFORMATION FOR SEQ ID NO: 81:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2375 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:

AATATGACAG	AACCGATAAA	GCCAAGTTCC	TCTCCAATCA	CTGAAAAGAT	AAAGTCAGTA	60
TGATTTTCAG	GTATATAAAC	TTCACCGTGA	TTGTATCCTT	TACCTAGTAA	CTGTCCAGAA	120
CCGATAGCTT	TAAGTGATTC	AGTTAAATGA	TAGCCATCAC	CACTACTATA	TGTATAGGGG	180
TCAAGCCATG	AATTGATTCG	TCCCATTGGA	TACAGTTGGA	CACCTAATAA	ATTTTCAATT	240
AATGCGGGTG	CATATAGAAT	ACCTAAAATG	ACTGTTCATTG	CACCAACAAT	ACCTGTAATA	300
AAGATAGGTG	CTAAGATACG	CCATGTTATA	CCACTTACTA	ACATCACACC	TGCAATAATA	360
GCAGCTAATA	CTAATGTAGT	TCCTAGGTCA	TTTTGCAGTA	ATATTAAAAAT	ACTTGGTACT	420
AACGAGACAC	CAATAATTTT	GAAAAATAAT	AACAAATCAC	TTTGGAAATGA	TTTATTGAAT	480
GTGAATTGAT	TATGTCTAGA	AACGACACGC	GCTAATGCTA	AAATTAAAAAT	AATTTTCATG	540
AATTCAGATG	GCTGAATACT	GATAGGGCCA	AACGTGTTYC	AACTTTTGGC	ACCATTGATA	600
ATAGGTGTTA	TAGGTGACTC	AGGAATAACG	AACAGCCTA	TTWATAWTAG	ACAGATTAAG	660
AAATACAATA	AATATGATTA	ATGTTTAATC	TTTTTAGGTG	AAATAAACAT	AGTAGTACCT	720
GCAAAAATTG	CACCTAAAAT	GTAATAAAAA	ATTTGTCTGA	TACCGAAAAT	AGCACTGTAT	780
TGACCACCGC	CCATTGCCGA	GTTAATAAGC	AGAACACTGA	AAATTGCTAA	AACAGCTATA	840
TGGGCTACTA	ATACCCAGTC	TACTTTGCCA	AGCCAATGCT	TATCCGGCTG	TTGACGAGAT	900
GAATTAATCA	TTGCAAACTC	CTTTTATACT	CATAATGTTT	TATATCAATT	TTTATTGACT	960
TTTTAAAAAT	TAGCTAGAAT	ATCACAGTGA	TATCAGCYAT	AGATTTC AAT	TTGAATTAGG	1020
AATAAAATAG	AAGGAATAT	TGTTCTGATT	ATAAATGAAT	CAACATAGAT	ACAGACACAT	1080
AAGTCCTCGT	TTTTAAAAATG	CAAAATAGCA	TTAAATGTG	ATACTATTAA	GATTCAAAGA	1140
TCGCAATAAA	TCAATTAACA	ATAGGACTAA	ATCAATATTA	ATTTATATTA	AGGTAGCAAA	1200
CCCTGATATA	TCATTGGAGG	GAAAACGAAA	TGACAAAAGA	AAATATTTGT	ATCGTTTTTG	1260
GAGGGAAAAG	TGCAGAACAC	GAAGTATCGA	TTCTGACAGC	AYWAAATGTA	TTAAATGCAR	1320
TAGATAAAGA	CAAATATCAT	GTTGATATCA	TTTATATTAC	CAATGATGGT	GATTGGAGAA	1380
AGCAAAATAA	TATTACAGCT	GAAATTAAAT	CTACTGATGA	GCTTCATTTA	GAAAAATGGA	1440
GAGGCGCTTG	AGATTTTACA	GCTATTGAAA	GAAAGTAGTT	CAGGACAACC	ATACGATGCA	1500
GTATTCCCAT	TATTACATGG	TCCTAATGGT	GAAGATGGCA	CGATTCAAGG	GCTTTTTTGAA	1560
GTTTTGGATG	TACCATATGT	AGGAAATGGT	GTATTGTCAG	CTGCAAGTTT	CTATGGACAA	1620
ACTTGTAATG	AAACAATTAT	TTGAACATCG	AGGGTTACCA	CAGTTACCTT	ATATTAGTTT	1680
CTTACGTTCT	GAATATGAAA	AATATGAACA	TAACATTTTA	AAATTAGTAA	ATGATAAAAT	1740
AAATTACCCA	GTCTTTGTTA	AACCTGCTAA	CTTAGGGTCA	AGTGTAGGTA	TCAGTAAATG	1800
TAATAATGAA	GCGGAACCTTA	AAGGAGGTAT	TAAAGAAGCA	TTCCAATTTG	ACCGTAAGCT	1860
TGTTATAGAA	CAAGGCGTTA	ACGCAACGTG	AAATTGAAGT	AGCAGTTTTA	GGAAATGACT	1920
ATCCTGAAGC	GACATGGCCA	GGTGAAGTCG	TAAAAGATGT	CGCGTTTAC	GATTACAAT	1980
CAAAATATAA	AGGATGGTAA	GGTTCAATTA	CAAATTCAG	CTGACTTAGA	CGGAAGATGT	2040
TCAATTAACG	GCTTAGAAAT	ATGGCATTAG	AGGCATTCAA	AGCGACAGAT	TGTTCTGGTT	2100
TAGTCCGTGC	TGATTCTTTT	GTAACAGAAG	ACAACCAAAT	ATATATTAAT	GAAACAAATG	2160
CAATGCGCTG	ATTACGGCT	TTCAGTATGT	ATCCAAAGTT	ATGGGAAAAT	ATGGGCTTAT	2220
CTTATCCAGA	ATTGATTACA	AACTTTATCG	AGCTTGCTAA	AGAACGTCAC	CAGGATAAAC	2280
AGAAAAATAA	ATACAAAATT	SMCTWAMTGA	GGTTGTTATK	RTGATTAAYG	TKACMYTAWA	2340
GYAAAWTCAA	TCATGGATTN	CCTTGTGAAA	TTGAA			2375

## (2) INFORMATION FOR SEQ ID NO: 82:

## (i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH:	1543 base pairs
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:

AATCATTTTC	AGTTTATCAT	TAAACAAATA	TATTGAACYM	MYMAAAATGT	CATACTGATA	60
AAGATGAATG	TCACTTAATA	AGTAACTTAG	ATTTAACAAA	TGATGATTTT	TAATTGTAGA	120
AAACTTGAAA	TAATCACTTA	TACCTAAATC	TAAAGCATTG	TTAAGAAGTG	TGACAATGTT	180
AAAAATAATA	TAGTTGAATT	AATGAATTGT	TTCTAYAATT	AACAKGTTWT	WGAWTTTAAAT	240
AATGAGAAAA	GAATTGACGA	AAGTAAGGTG	AATTGAATGG	TTATTCMATG	GTATCCAGGA	300
CMTATGGCGA	AAAGCCAAAA	GAGAAGTAAG	TGAACAATTA	AMAAAAGTAG	ATGTAGTGTT	360
TGAAC TAGTA	GATGCAAGAA	TTCCATATAG	TTCAAGAAAC	CCTATGATAG	ATGAAGTTAT	420
TAACCAAAAA	CCACGTGTG	TTATATTAAA	TAAAAAAGAT	ATGTCTAATT	TAAATGAGAT	480
GTCAAAATGG	GAACAATTTT	TTATTGATAA	AGGATACTAT	CCTGTATCAG	TGGATGCTAA	540
GCACGGTAAA	AATTTAAAGA	AAGTGGAAGC	TGCAGCAATT	AAGGCGACTG	CTGAAAAATT	600
TGAACGCGAA	AAAGCGAAAAG	GACTTAAACC	TAGAGCGGATA	AGAGCAATGA	TCGTTGGAAT	660
TCCAATAGTT	GGTAAATCCA	CATTAATAAA	TAAACTGGCA	AAGCGTAGTA	TTGCGCAGAC	720
TGGTAATAAA	CCAGGTGTGA	CCAAACAACA	ACAATTGGATT	AAAGTTGGTA	ATGCATTACA	780
ACTATTAGAC	ACACCAGGGA	TACTTTGGCC	TAAATTTGAA	GATGAAGAAG	TCGGTAAGAA	840
GTTGAGTTTA	ACTGGTGCGA	TAAAAGATAG	TATTGTGCAC	TTAGATGAAG	TTGCCATCTA	900

TGGATTAAAC	TTTTTAATTC	AAAATGATTT	AGCGCGATTA	AAGTCACATT	ATAATATTGA	960
AGTTCCTGAA	GATGCMGAAA	TCATAGCGTG	GTTTGATGCG	ATAGGGAAAA	AACGTGGCTT	1020
AATTCGACGT	GGTAATGAAA	TTGATTACGA	AGCAGTCATT	GAAGTACGTT	TTTATGATAT	1080
TCGAAATGCT	AAAATAGGAA	ATTATTGTTT	TGATATTTT	AAAGATATGA	CTGAGGAATT	1140
AGCAAATGAC	GCTAACCAATT	AAAGAAAGTTA	CGCAGTTGAT	TAATGCGGTT	AATACAATAG	1200
AAGAATTAGA	AAATCATGAA	TGCTTTTTAG	ATGAGCGAAA	AGGTGTTCAA	AATGCCATAG	1260
CTAGGCGCAG	AAAAGCGTTA	GAAAAAGAAC	AAGCTTTAAA	AGAAAAAGTAT	GTTGAAATGA	1320
CTTACTTTGA	AAATGAAATA	TTAAAAGAGC	ATCCTAATGC	TATTATTTGT	GGGATTGATG	1380
AAGTTGGAAG	AGGACCTTTA	GCAGGTCCAG	TCGTTGCATG	CGCAACAATT	TTAAATTCAA	1440
ATCACAATTA	TTTGGGCCCTT	GATGACTCGA	AAAAAGTACC	TGTTACGAAA	CGTCTAGAAT	1500
TAAATGAAGC	ACTAAAAAAT	GAAGTTACTG	YTTTTGCATA	TGG		1543

(2) INFORMATION FOR SEQ ID NO: 83:

(i) SEQUENCE CHARACTERISTICS:

(A)	LENGTH:	2185 base pairs
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:

TTAAACAATT	AAGAAAATCT	GGTAAAGTAC	CAGCASYAGT	ATACGGTTAC	GGTACTAAAA	60
ACGTGTCAGT	TAAAGTTGAT	GAAGTAGAAT	TCATCAAAGT	TATCCGTGAA	GTAGGTCGTA	120
ACGGTGTAT	CGAATTAGGC	GTTGGTTCTA	AAACTATCAA	AGTTATGGTT	GCAGACTACC	180
AATTCGATCC	ACTTAAAAAC	CAAATTACTC	ACATTGACTT	CTTWKCAATC	AATATGAGTG	240
AAGAACGTAC	TGTTGAAGTA	CCAGTTCAAT	TAGTTGGTGA	AGCAGTAGGC	GCTAAAGAAA	300
GGCGGCGTTA	GTTGAACAAC	CATTATTCAA	CTTAGAAAAGT	AACTGCTACT	CCAGACAATA	360
TTCCAGAAGC	AATCGAAGTA	GACATTACTG	AATTAAACAT	TAACGACAGC	TTAACTGTTG	420
CTGATGTTAA	AGTAACTGGC	GACTTCAAAA	TGCAAAAACGA	TTCAGCTGAA	TCAGTAGTAA	480
CAGTAGTTGC	TCCAACCTGAA	GAACCAACTG	AAGAAGAAAT	CGAAGCCTAT	GGAAGGCGAA	540
CAMCAAACCTG	AAGAACCAGA	AGTTGTTGGC	GAAAGCAAAG	AAGACGAAGA	AAAAACTGAA	600
GAGTAATTTT	AATCTGTTAC	ATTAAGGTTT	TTTACTTTTG	TTTAAACAAGC	ACTGTGCTTA	660
TTTTAATATA	AGCATGGTGC	TTTTKGTGTT	ATTATAAAGC	TTAATTAAAT	TTTATWACTT	720
TGTACTAAAG	TTTAATTAAAT	TTTAGTGAGT	AAAAGACATT	AAACTCAACA	ATGATACATC	780
ATAAAAATTT	TAATGTACTC	GATTTTAAAA	TACATACTTA	CTAAGCTAAA	GAATAATGAT	840
AATTGATGGC	AATGGCGGAA	AATGGATGTT	GTCATTATAA	TAATAAATGA	AACAATTATG	900
TTGGAGGTAA	ACACGCATGA	AATGTATTGT	AGGTCAGGT	AATATAGGTA	AACGTTTTGA	960
ACTTACAAGA	CATAATATCG	GCTTTGAAGT	CGTTGATTAT	ATTTTAGAGA	AAAAATATTT	1020
TTCAATTAGAT	AAACAAAAGT	TTAAAGGTGC	ATATACAATT	GAACGAATGA	ACGGCGATAA	1080
AGTGTTATTT	ATCGAACCAA	TGACAATGAT	GAATTTGTCA	GGTGAAGCAG	TTGCACCGAT	1140
TATGGATTAT	TACAATGTTA	ATCCAGAAGA	TTTAATTGTC	TTATATGATG	ATTTAGATTT	1200
AGAACAAGGA	CAAGTTCGCT	TAAGACAAAA	AGGAAGTGCG	GGCGGTCA	ATGGTATGAA	1260
ATCAATTATT	AAAATGCTTG	GTACAGACCA	ATTTAAACGT	ATTCGTATTG	GTGTGGGAAG	1320
ACCAACGAAT	GGTATGACGG	TACCTGATTA	TGTTTTACAA	CGCTTTTCAA	ATGATGAAAT	1380
GGTAACGATG	GGAAAAAGTT	ATCGAACACG	CAGCACGCGC	AATTGAAAAAG	TTTGTGTAAG	1440
CATCACRATT	TGACCATGTT	ATGAATGAAT	TTAATGGTGA	AKTGAAATAA	TGACAATATT	1500
GACAMCSTTT	ATAAAAGAAG	ATAATCATTT	TCAAGACCTT	AATCAGGTAT	TTGGACAAGC	1560
AAACACACTA	GTAACCTGGT	TTTCCCCGTC	AGCTAAAGTG	ACGATGATTG	CTGAAAAATA	1620
TGCACAAAGT	AATCAACAGT	TATTATTAAT	TACCAATAAT	TTATACCAAG	CAGATAAATT	1680
AGAAACAGAT	TTACTTCAAT	TTATAGATGC	TGAAGAATTG	TATAAGTATC	CTGTGCAAGA	1740
TATTATGACC	GAAGAGTTTT	CAACACAAAG	CCCTCAACTG	ATGAGTGAAC	GTATTAGAAC	1800
TTTAACTGCG	TTAGCTCCAA	GGTAAGAAAG	GGTTATTTAT	CGTTCCTTTA	AATGGTTTGA	1860
AAAAGTGGTT	AACCTCCTGT	GAAATGTGGC	AAAATCACCA	AATGACATTG	CGTGTGGGTG	1920
AGGATATCGA	TGTGGACCAA	TTTMMWAAAC	AATTAGTTAA	TATGGGGTAC	AAACGGGAAT	1980
CCGTGGTATC	GCATATTGGT	GAATTCTCAT	TTCGAGGAGG	TATTATCGAT	ATCTTTCCGC	2040
TAATTGGGGA	ACCAATCAGA	ATTGAGCTAT	TTGATACCGA	AATTGATTCT	ATTCGGGATT	2100
TTGATGTTGA	AACGCAGCGT	TCCAAAGATA	ATGTTGAAGA	AGTCGATATC	ACAACCTGCA	2160
GTGATTATAT	CATTACTGAA	GAAGT				2185

(2) INFORMATION FOR SEQ ID NO: 84:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2525 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 84:

```
AATCTGTTCC TACTACAATA CCTTGTCTGGT TTGAAGCACC NGAAAATNGT ACTTTCATAC      60
GTTCAACGCGC TTTTTCATTT CCTTTTGGGA AATCTGTAAG AACAAATACCG GCTTCTTTTA      120
ATGATTGCAC ACTTTGATCA ACTGCAGGCT TAATATTGAC TGTTACTATT TCATCTGGTT      180
CAATGAATCG CAAAGCTTGC TCAACTTCAT CAGCATCTTT TTGAACTCCA TAAGGTAATT      240
TAACTGCAAT AAACGTACAA TCAATGCCTT CTTACCGTAA TTCGTTAACA GACATTTGTA      300
CTAGTTTTC TTTTCTGTTA GAATCCTGTC CTCCTGAAAT ACCTAACACT AAAAGATTTTA      360
TAAATGAATG TGATTGTACA TAATTTTTTA TAAATTGCTT TAATTCCATA ATTTCTTCAG      420
CACTATCGAT ACGCTTTTTT ACTTTTCATTT CTGTGTACAAT AACGTCTTGT AATTTACTCA      480
TTATCTTCTT CCATCTCCTT AACGTGTTCC GCAAGTTCAA AAATACGTTT ATGTTTATTA      540
TCCCAACATG CCTTGCTTAA ATCGACTGGA TATTCTTGTT GATTTCAGGAA ACGCTTATTT      600
TCATCCCAAA TAGATTGTAA TCCTAGTGCT AAATATTCAC GTGATTTCATC TTCTGTGGGC      660
ATTTGATATA CTAATTTACC ATTTTCATAA ATATTATGAT GCAAATCAAT GGCTTCGAAA      720
GATTTTATAA ATTTTCATTT ATAAGTATGC ACTGGATGGA ATAATTTTAA AGGTGTTTCA      780
TCGTATGCAC TTTTCATTTT CAAAGTAATA TAATCGCCTT CTGCCTTACC TGTTTTCTTG      840
TTTATAATGC GATATACATT TTTCTTACCT GCGCTCGTAA CCTTTTCAGC GTTATTTGAT      900
AATTTAATAC GATCACTATA TGAACCATCT TCATTTTCAA TAGCTACAAG TTTATATACT      960
GCACCTAATG CTGGTTGATC GTATCCTGTA ATCAGCTTTG TACCAACGCC CCAAGAATCT      1020
ACTTTTGCAC CTTGTGCTTT CAAACTCGTA TTCGTTTCTT CATCCAAATC ATTAGAYGCG      1080
ATAATTTTAG TTTTCAGTAA TCCTGYTTCA TCAAGCATA GTCTTGCTTC TTTAGATAAA      1140
TAAGCGATAT CTCCAGAATC TAATCGAATA CCTAACAAAG TTAATTTTGT CACCTAATTC      1200
TTTTGCAACT TTTATTGCAT TTGGCACGCC AGATTTTAAA GTATGGAATG TATCTACTAG      1260
GAACACACAA TTTTATGTCT TTTTCAGCATA TTTTGTGAAG GCAACATATT CGTCTCCATA      1320
AGTTTGGACA AATGCATGTG CATGTGTACC AGACACAGGT ATACCAAATA ATTTTCCCCG      1380
CCCTAACATT ACTGTAGAA TCAAAGCCCC CGATGTAAGC AGCTCTAGCG CCCCAATG      1440
CTGCATCAAT TTCTGCGCA CGACGTGTTA CCAAACCTCCA TTAATTTATC ATTTGATGCA      1500
ATTTGACGAA ATTCTGCTAG CTTTGTGTTG AATTAAATGTA TGGAAATTTA CAATGTTTAA      1560
TAAATTTGTT CTATTAATTG CGCTTGAATC AATGGTGCTT CTACGCGTAA CAATGGTTCG      1620
TTACCAAAGC ATAATTCGCC TTCTTGCATC GAACGGATGC TGCCTGTGAA TTTTAAATCT      1680
TTTAAATATG ATAAGAAATC ATCCTTGTAG CCAATAGACT TTAAATATTC CAAATCAGAT      1740
TCTGAAATC CAAAATGTTT TATAAAATCA ATGACGCGTT TTAAACCATT AAAACAGCA      1800
TAGCCACTAT TAAATGGCAT TTTTCTAAAT TACAAATCAA ATACAGCCAT TTTTTCATGA      1860
ATATTATCAT TCCAATAACT TTCAGCCATA TTTATTTGAT ATAAGTCATT ATGTAACATT      1920
AACTGTCTGT CTCTAATTG GTACACTTGT ATCTCTCCAA TCGACCTAAA TATTTTCTTA      1980
CATTTTATCA TAATTCATTT TTTTATATAC ATAAGAGCCC CTTAATTTCC ATACTTTTAA      2040
TTAAATCAA CCAACAATTT AATGACATAT ACATAATTTT TAAGAGTATT TTAATAATGT      2100
AGACTATAAT ATAAAGCGAG GTGTTGTAA TGTTATTTAA AGAGGCTCAA GCTTTCATAG      2160
AAAACATGTA TAAAGAGTGT CATTATGAAA CGCAAATTAT CAATAAACGT TTACATGACA      2220
TTGAAC TAGA AATAAAAGAA ACTGGGACAT ATACACATAC AGAAGAAGAA CTTATTTATG      2280
GTGCTAAAAT GGCTTGCGCT AATTCAAATC GTTGCAATTGG TCGTTTATTT TGGGATTCGT      2340
TAAATGTCAT TGATGCAAGA GATGTTACTG ACGAAGCATC GTTCTTATCA TCAATTACTT      2400
ATCATATTAC ACAGGCTACA AATGAAGGTA AATTAAAGCC GTATATTACT ATATATGCTC      2460
CAAAGGATGG ACCTAAATTT TTCAACAATC AATTAATTCG CTATGCTGGC TATGACAATT      2520
GTGGT
```

(2) INFORMATION FOR SEQ ID NO: 85:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2181 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 85:

```
ATCGATAGGA AGAAGTACAA CGACTGAAGA TCAAACGGGT GATACATTGG AAACAAAAGG      60
TGTACACTCA GCAGATTTTA ATAAGGACGA TATTGACCGA TTGTTAGAAA GTTTTAAAGG      120
TATCATTGAA CAAATCCGCG CGATGTACTC ATCCGTCAAA GTAAATGGTA AAAAATTATA      180
```

TGAATATGCG	CGTAATAATG	AAACAGTTGA	AAGACCAAAG	CGTAAAGTTA	ATATTAAAGA	240
CATTGGGCGT	ATATCTGAAT	TAGATTTTAA	AGAAAATGAG	TGTCATTTTA	AAATACGCGT	300
CATCTGTGGT	AAAGGTACAT	ATATTAGAAC	GCTAGCAACT	GATATTGGTG	TGAAATTAGG	360
CTTTCCGGCA	CATATGTCGA	AATTAACACG	AATCGAGTCT	GGTGGATTTG	TGTTGAAAGA	420
TAGCCTTACA	TTAGAACAAA	TAAAAGAACT	TCATGAGCAG	GATTCATTGC	AAAATAAATT	480
GTTTCCTTTA	GAATATGGAT	TAAAGGGTTT	GCCAAGCATT	AAAATTAAAG	ATTTCGCACAT	540
AAAAAAACGT	ATTTTAAATG	GGCAGAAATT	TAATAAAAAAT	GAATTTGATA	ACAAAATTAA	600
AGACCAAATT	GTATTTATTG	ATGATGATTC	AGAAAAAGTA	TTAGCAATTT	ATATGGTACA	660
CCCTACGAAA	AGAATCAGAA	ATTAAACCTA	AAAAAGTCCT	TAATTTAAAGG	AGATAGAATT	720
TATGAAAGTT	CATAGAAAAGT	GACACATCCT	ATACAATCCT	AAACAGTTAT	ATTACAGGAG	780
GATGTTGCAA	TGGGCATTCC	GGATTTTTTCG	ATGGCATGCA	TAAAGGTCAT	GACAAAGTCT	840
TTGATATATT	AAACGAAATA	GCTGAGGCAC	GCAGTTTAAA	AAAAGCGGTG	ATGACATTTG	900
ATCCGCATCC	GTCTGTCTGT	TTTGAATCCT	AAAAGAAAAC	GAACACGTTT	TTACGCCCTT	960
TTCAGATAAA	ATCCGAAAAA	TTACCCACAT	GATATTGATT	ATTGTATAGT	GGTTAATTTT	1020
TCATCTAGGT	TTGCTAAAAGT	GAGCGTAGAA	GATTTTGTGT	AAAATTATAT	AATTAAAAAAT	1080
AATGTAAAAG	AAGTCATTGC	TGGTTTTGAT	TTTAACTTTT	GGTAAATTTG	GAAAAGGTAA	1140
TATGACTGTA	ACTTCAAGAA	TATGATGCGT	AATTGTGAGT	AAACAAGAAA	1200	
TTGAAAATGA	AAAAATTTCT	ACAACCTTCTA	TTCTGCAAGG	ATTTAATCAA	TGGTGAGTTG	1260
CCAAAAAGGC	GAATGGATGG	CTTTTAGGCT	ATATATATTT	CTTATTAATA	GGCACTGTAG	1320
TGCAAGGTGA	AAAAAGGGGA	AGAACTATTG	GCTTCCCCAA	CAGCTAACAT	TCAACCTAGT	1380
GATGATTATT	TGTTACCTCG	TAAAGGTGTT	TATGCTGTTA	GTATTGAAAT	CGGCACTGAA	1440
AATAAATTAT	ATCGAGGGGT	AGCTAACATA	GGTGTAAGC	CAACATTTCA	TGATCCTAAC	1500
AAAGCAGAAG	TTGTCATCGA	AGTGAATATC	TTTGACTTTG	AGGATAATAT	TTATGGTGAA	1560
CGAGTGACCG	TGAATTGGCA	TCATTTCTTA	CGTCCTGAGA	TTAAATTTGA	TGGTATCGAC	1620
CCATTAGTTA	AACAAATGAA	CGATGATAAA	TCGCGTGCTA	AATATTTATT	AGCAGTTGAT	1680
TTTGGTGATG	AGTAGCTTAA	TAATATCTAG	AGTTGCGTAT	AGTTATATAA	ACAATCTATA	1740
CCACACCTTT	TTTCTTAGTA	GGTCGAATCT	CCAACGCCTA	ACTCGGATTA	AGGAGTATTC	1800
AAACATTTTA	AGGAGGAAAT	TGATTATGGC	AATTTACAAA	GAACGTAAAA	ACGAAATCAT	1860
TAAAGAATAC	CGTGACACG	AAACTGATAC	TGGTTCACCA	GAAGTACAAA	TCGCTGTACT	1920
TACTGCAGAA	ATCAACGCAG	TAAACGAACA	CCTAGCTACA	CACAAAAAAG	ACCAACTATC	1980
ACGTCGTGGA	TTATTAAAAA	TGGTAGGTCG	TCGTAGACAT	TTATTAAACT	ACTTACGTAG	2040
TAAAGATATT	CAACGTTACC	GTGAATTAAT	TAAATCACTT	GGTATCCGTC	GTTAATCTTA	2100
ATATAACGTC	TTTGAGGTTG	GGGCATATTT	ATGTTCCAAC	CCTTAATTTA	TATTAAAAAA	2160
GCTTTTTTRCA	WRYMTKMASR	T				2181

(2) INFORMATION FOR SEQ ID NO: 86:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2423 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:

ACATTAAAAA	GGATGAAATT	TGGTCAAAGT	ATTCGAGAAG	AAGGTCCACA	AAGCCATATG	60
AAGAAGACTG	GTACACCAAC	GATGGGTGGA	CTAACATTTT	TATTAAAGTAT	TGTGATAACG	120
TCTTTGGTGG	CTATTATATT	TGTAGATCAA	GCWAATCCAA	TCATACTGTT	ATTATTTGTT	180
ACGATTGGTT	TTGGGTAAAT	TGGTCTTTAT	ACGATGATTA	TATTATTGTT	GTTAAAAAGA	240
ATAACCAAGG	TTTAACAAGT	AAACAGAAGT	TTTTGGCGCA	AATTGGTATT	GCGATTATAT	300
TCTTTGTTTT	AAGTAATGTG	TTTCATTTGG	TGAATTTTTT	TACGAGCATA	CATATTCAT	360
TTACGAATGT	AGCAATCCCA	CTATCATTTG	CATATGTTAT	TTTCATTGTT	TTTTGGCAAG	420
TAGGTTTTTC	TAATGCAGTA	AATTTAACAG	ATGGTTTAGA	TGGATTAGCA	ACTGGACTGT	480
CAATTATCGG	ATTTACAATG	TATGCCATCA	TGAGCTTTGT	GTTAGGAGAA	ACGGCAATTG	540
GTATTTTCTG	TATCATTATG	TTGTTTGCAC	TTTTAGGATT	TTTACCATAT	AACATTAACC	600
CTGCTAAAGT	GTTTATGGGA	GATACAGGTA	GCTTAGCTTT	AGGTGGTATA	TTTGCTACCA	660
TTTCAATCAT	GCTTAATCAG	GAATTATCAT	TAATTTTAT	AGGTTTAGTA	TTCTGTAATT	720
AAACATTATC	TGTTATGTGA	CAAGTCGCTA	GCTTTAAATT	GACTGGAAAG	CGTATATTTA	780
AAATGAGTCC	GATTCATCAT	CATTTTGAAT	TGATAGGATG	GAGCGAATGG	AAAGTAGTTA	840
CAGTATTTTG	GGCTGTTGGT	CTGATTTTCA	GTTTAAATCG	TTTATGGATT	GGAGTTGCAT	900
TAAGATGCTT	AATTATACAG	GGTTAGAAAA	TAAAAATGTW	TTAGTTGTCT	GTTTGGCAAA	960
AAGTGGTTAT	GAGCAGACGA	AATTATTAAG	TAAATTAGGT	GCGAATGTAA	CTGTCAATGA	1020
TGGAAAAGAC	TTATCACAAG	ATGCTCATGC	AAAAGATTTA	GAWTCTATGG	GCATTTCTGT	1080
TGTAAGTGGA	AGTCATCCAT	TAACGTTGCT	TGATAATTAAT	CCAATAATTG	TTAAAAATCC	1140
TGGAATACCC	TTATACAGTA	TCTATTATTG	ATGAAGCAGT	GAAACGAGGT	TTGAAAATTT	1200
TAACAGAAGT	TGAGTTAAGT	TATCTAATCT	CTGAAGCACC	AATCATAGCT	GTAACGGGTA	1260
CAAATGGTAA	AACGACAGTT	ACTTCTCTAA	TTGGAGATAT	GTTTAAAAAA	AGTCGCTTAA	1320
CTGGAAGATT	ATCCGGCAAT	ATTGGTTATG	TTTGCATCTA	AAGTWGCACA	AGAAGTWAAG	1380

CCTACAGATT	ATTTAGTTAC	AGAGTTGTGCG	TCATTCCAGT	TACTTGGAAT	CGAAAAGTAT	1440
AAACCACACA	TTGCTATAAT	TACTAACATT	TATTCGGCGC	ATCTAGATTA	CCATGRAAAT	1500
TTAGAAAAC	ATCAAAATGC	TAAAAAGCAA	ATATATAAAA	ATCAAACGGA	AGAGGATTAT	1560
TTGATTTGTA	ATTATCATCA	AAGACAAGTG	ATAGAGTCGG	AAGAAATTAAA	AGCTAAGACA	1620
TTGTATTTCT	CAAACCTAAC	AAGAAGTTGA	TGGTATTTAT	ATTAAAGATG	RTTTTATCGT	1680
TTATAAAGGT	GTTTCGTATTA	TTAACTACTGA	AGATCTAGTA	TTGCCTGGTG	AACATAATTT	1740
AGAAAATATA	TTAGCCAGCT	GKGCTKGCTT	GTATTTWAGY	TGGTGTACCT	ATTAAAGCAA	1800
TTATTGATAG	TTWAAYWACA	TTTTCAGGAA	TAGAGCATAG	ATTGCAATAT	GTTGGTACTA	1860
ATAGAACTTA	ATAAATATTA	TAATGATTCC	AAAGCAACAA	ACACGCTAGC	AACACAGTTT	1920
GCCTTAAATT	CATTTAATCA	ACCAATCATT	TGGTTATGTG	GTGGTTTGGG	TCGGAGGGAA	1980
TGAATTTGAC	GAACTCATT	CTTATATGGA	AAATGTTTCG	GCGATGGTTG	TATTCGGACA	2040
AACGAAAGCT	AAGTTTGCTA	AACTAGGTAA	TAGTCAAGGG	AAATCGGTCA	TTGAAGCGAA	2100
CAATGTCGAA	GACGCTGTTG	ATAAAGTACA	AGATATTATA	GAACCAATG	ATGTTGTATT	2160
ATTGTCACCT	GCTTGTGCGA	GTTGGGATCA	ATATAGTACT	TTTGAAGAGC	GTGGAGAGAA	2220
ATTTATTGAA	AGATTCCGTG	CCCATTTACC	ATCTTATTAA	AGGGTGTGAG	TATTGATGGA	2280
TGATAAAACG	AAGAACGATC	AACAAGAATC	AAATGAAGAT	AAAGATGAAT	TAGAATTATT	2340
TACGAGGAAT	ACATCTAAGA	AAAGACGGCA	AAGAAAAAGW	TCCTCTAGAG	TCGACCCTGC	2400
AGGCATGCAA	GCTTGGCGTA	NCC				2423

(2) INFORMATION FOR SEQ ID NO: 87:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2094 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:

CACATAAACC	AGTTGTTGCT	ATTTTAGGTG	GAGCAAAAGT	ATCTGACAAA	ATTAATGTCA	60
TCAAAAACCT	AGTTAACATA	GCTGATAAAA	TTATCATCGG	CGGAGGTATG	GCTTATACTT	120
TCTTAAAAGC	GCAAGGTAAA	GAAATTGGTA	TTTCATTATT	AGAAGAAGAT	AAAATCGACT	180
TCGCAAAAGA	TTTATTAGAA	AAACATGGTG	ATAAAATTGT	ATTACCAGTA	GACACTAAAG	240
TTGCTAAAGA	ATTTTCTAAT	GATGCCAAAA	TCACTGTAGT	ACCATCTGAT	TCAATTCCAG	300
CAGACCAAGA	AGGTATGGAT	ATTGGACCAA	ACACTGTAAA	ATTATTTGCA	GATGAATTAG	360
AAGGTGCGCA	CACGTGTTGT	ATGGAATGGA	CCTATGGGTT	GTTATTCGAG	TTAGTAACT	420
TTGCACAAGG	TACAATTGGT	GTTTGTAAAA	GCAATTGCCA	ACCTTAAAGA	TGCCATTACG	480
ATTATCGGTG	GCGGTGATTC	AGCCTGCAGC	AGCCATCTCT	TTAGGTTTTT	GAAAATGACT	540
TCACTCMTAT	TTCCACTGGT	GGCGGCSCKC	CATTAGAKTA	CCTAGAAGGT	WAAGAATGCC	600
TGGTWTCTMA	GCAAYCAWTA	WTAAWTAATA	AAGTGTAGT	TTAAAGTGAT	GTGGCATGTT	660
TGTTTAAACAT	TGTTACGGGA	AAACAGTCAA	CAAGATGAAC	ATCGTGTTC	ATCAACTTTT	720
CAAAAATATT	TACAAAAACA	AGGAGTTGTC	TTTAATGAGA	ACACCAATTA	TAGCTGGTAA	780
CTGGAAAATG	AACAAAACAG	TACAAGAAGC	AAAAGACTTC	GTCAATACAT	TACCAACACT	840
ACCAGATTCA	AAAGAAKTWR	AATCAGTWAT	TTGTTGCMCC	AGCMATTCAA	TTAGATGCAT	900
TAACATTGTC	AGTTWAAGAA	GGAAAAGCAC	AAGGTTTAGA	AATCGGTGCT	CAAAAATNCGT	960
ATTTCAAGAA	AATGGGGCTT	MACAGTGAAA	KTTTCCAGTT	GCATAGCAGA	TTAGGCTTAA	1020
AAAGTTGTAT	TCGGTCATT	TGAACTTCGT	GAATATTCCA	CGGAACCAGA	TGAAGAAATT	1080
AACAAAAAAG	CGCACGTATT	TTCAACATG	GAATGAMTCC	AATTATATGT	TTGGTGAAA	1140
CAGACGAAGA	GCGTGAAAGT	GGTAAAGCTA	ACGATGTTGT	AGGTGAGCAA	GTTAAAGAAA	1200
GCTGTTGCAG	GTTTATCTGA	AGATCAAAC	TAAATCAGTT	GTAATTGCTT	ATGAACCAAT	1260
CTGGGCAATC	GGAACCTGGT	AATCATCAAC	ATCTGAAGAT	GCAAATGAAA	TGTGTGCATT	1320
TGTACGTCAA	ACTATTGCTG	ACTTATCAAG	CAAAGAAGTA	TCAGAAGCAA	CTCGTATTCA	1380
ATATGGTGGT	AGTGTAAAC	CTAACAACAT	TAAAGAATAC	ATGGCACAAA	CTGATATTGA	1440
TGGGGCATT	GTAGGTGGCG	CATCACTTAA	AGTTGAAGAT	TTCGTACAAT	TGTTAGAAGG	1500
TGCAAAAATA	TCATGGCTAA	GAAACCAACT	GCGTTAATTA	TTTTAGATGG	TTTTCGGAAC	1560
CGCGAAAGCG	AACATGGTAA	TGCGGTAAAA	TTAGCAAAAC	AGCCTAATTT	TTNGATCGGT	1620
TNATTACCAA	CCAAATATCC	CAACCGAACT	TCAAAAATTCG	AAGGCGAGTG	GCTTAAGATG	1680
TTGGACTACC	CTGAAGGACA	AATGGGTAAC	TCAGAAGTTG	GTCATATGAA	TATCGGTGCA	1740
GGACGTATCG	TTTATCAAAG	TTTAACTCGA	ATCAATAAAT	CAATTGAAGA	CGGTGATTTT	1800
TTTGAAAATG	ATGTTTTTAA	TAATGCAATT	GCACACGTGA	ATTACATGA	TTTTCAGGTTA	1860
CACATCTTTG	GTTTATTGTC	TGACGGTGGT	GTACACAGTC	ATTACAAACA	TTTATTGCT	1920
TTGTTAGAAC	TTGCTAAAAA	ACAAGGTGTT	GAAAAAGTTT	ACGTACACGC	ATTTTTAGAT	1980
GGCCGTGACG	TAGATCAAAA	ATCCGCTTTG	AAATACATCG	AAGAGACTGA	AGCTAAATTC	2040
AATGAATTAG	GCATTGGTCA	ATTTGCATCT	GTGCTGGTCT	GTTATTATGC	ANTG	2094



(2) INFORMATION FOR SEQ ID NO: 88:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 954 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:

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GGGGWYYCTC TAGAGYCGAC CTRCAGGCAT SCAAGCTTBA CCAGGWTCAA TTAGAGGTRA      60
TTWAGGTTTA RCTKTTSGTV GAADTATCAT BMTCGGTTCA GATTCCTGAG AGTCTGCTGA      120
ACGTGAAATT AATCTATGGT TTAATGAAAA TGAAATTACT AGCTATGCTT CACCACGTGA      180
TGCATGGTTA TATGAATAAA ATATAAACTG TAAACCTTTA CGATTATTTT ATAAAGGTAG      240
AAAGGGTTTT GTTATGTGGT TAGTCATTAT GATTATACAT AACAAGGCCG GTTTTTTATG      300
TTGTAGTAAA TTACTTGAAA AATTTTATAG TTTTGTGGTA ACACGTATTA AAAAGAGAGG      360
AATATTCTTT ATCAAATGAA ACTAAACAGA GAGAAGGGGT TGTTAAAATG AAGAATATTA      420
TTTCGATTAT TTTGGGGATT TTAATGTTCT TAAAAATTAAT GGAATTACTA TATGGTGCTA      480
TATTTTGTAG TAAACCACTT AATCCTATAA CAAAATTAT TTTTATACTG ACTCTCATT      540
ATATTTTTTA TGTATTAGTA AAAGAATTGA TTATATTTTT GAAGTCAAAG TATAACAAAA      600
GCGCTTAACA TATGTTTATT TTAATATCAT AATTTTTTTA AACGGGACTG ATTAACYTTT      660
ATTAATAATT AACAGTTCGT TCTTTTGTAT TAAGAAATGT AGTCAGTATA TTATTTGCTA      720
AAGTTGCGAT ACGATTATAT TAAAACGGCT AATCATTTTT AATTAATGAT TATATGATGC      780
AACTGTTTAG AAATTCATGA TACTTTTCTA CAGACGAATA TATTATAATT AATTTTAGTT      840
CGTTTAATAT TAAGATAATT CTGACATTTA AAATGAGATG TCATCCATT TCTTAATTGA      900
GCTTGAAAAC AAACATTTAT GAATGCACAA TGAATATGAT AAGATTAACA ACAT          954
```

(2) INFORMATION FOR SEQ ID NO: 89:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 841 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 89:

```
CTTTMAWKRC CTRAACCACT TAACAAACCT GCCAATAATC GTGTTGTCGT ACCAGAATTA      60
CCTGTATACA ATACTTGATG TGGCGTGTTA AAAGATTGAT ATCCTGGGGA AGTCACAAC      120
AATTTTTCAT CATCTTCTTT GATTTCTACA CCTAACAGTC GGAAATGTC CATCGTACGA      180
CGACAATCTT CGCCAAGTAG TGGCTTATAT ATAGTAGATA CACCTTCAGC TAGCGACGCC      240
AACATGATTG CACGGTGTGT CATTGACTTA TCGCCCGGCA CTTCTATTTC GCCCTTTAAC      300
GGACCTGAAA TATCAATGAT TTGTTTCATT ACCATTTTAT TCACCTACTT AAAATATGTT      360
TTTAATTGTT CACATGCATG TTGTAATGTT AGTTGATCAA CATGTTGTAC AACGATATCT      420
CCAAATGTGC TAATCAAGAC CATTTGTACA CCTTGCTTAT CATTCCTTTT ATCACTTAGC      480
ATATATTGGT ATAACGTTTC AAAATCCAAG TCAGTTATCA TGTCTAAAGG ATAGCCGAGT      540
TGTATTAAAT ATTGAATATA ATGATTAATA TCATGCTTAG RATCAAACAA AGCATTCGCA      600
ACTATAAATT GATAGATAAT GCCAACCATC ACTGACATGA CCATGAGGTA TTTTATGATA      660
GTATTCAACA GCATGACCAA ATGTATGACC TAAATTTAAR AATTTACGTA CACCTTGTT      720
TTTTTSATCT GCGAATAAC AATATCCAGC TTSGTTTCAA TACCTTTRGS AATWTATTTR      780
TCCATACCAT TTAATGACTG TAATATCTCT CTATCTTTAA AGTGCTGTTC GATATCTTGC      840
G
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(2) INFORMATION FOR SEQ ID NO: 90:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 568 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 90:

```
CCGGGGATCC TCTAGAGTCG ATCTTTGCAT TCTTTAAGCT TAAATTTTCT ATTCTTCTTT      60
CTCTACGGCG CATAGCATTG ATATTACCGT AACTTATCCC AGTATCTTTA TTAATTTGAT      120
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AACTCGATAT	CTCTTTGTTT	TCTATCAATT	CTTTGATTGT	ATTGAATATT	TCATCATAGC	180
AATTCATAAA	TTAGATGAGG	CGAAATTTTT	AATTTTTTAG	AATATCAATA	GTANTATAAC	240
TAAATGAAA	ATACCGATCG	ATAAACAAAA	AGATATTTTT	TGTTTTGTTT	CTCTTTTCAT	300
ATAGTATTAC	CCCCTTAATA	ATGCGTAGTA	AGGTCCCTCT	TTTCGGGGTC	TTACCTTANA	360
AACGTTCTGC	AAATGAATTCT	GATGAGAAGT	AATATGAATA	TGGCTATTTT	CAAGTAATAC	420
TCAACGTTTT	CGCGACGTTT	TTTTATCGCC	TCATCTCATC	ACCTCCAAAT	ATATTAAAAT	480
TCATGTGAAC	TAAATATAAA	AATGGTCTTC	CCCAGCTTTA	AAAAAATAAA	TACATAAAAC	540
ATTTTACTTG	GACCAAAACT	TGGACCCC				588

(2) INFORMATION FOR SEQ ID NO: 91:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	581 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 91:

ATGCCTGCAG	GTCGATCATT	AATTAAAAAC	CCTGGCGGTG	GTTTAGCTAA	GATTGGTGGA	60
TACATTGCTG	GTAGAAAAGA	TTTAATTGAA	CGATGTGGTT	ATAGATTGAC	AGCACCTGGT	120
ATTGGTAAAG	AAGCGGGTGC	ATCATTAAAT	GCATTGCTTG	AAATGTATCA	AGGTTTCTTT	180
TTAGCACCAAC	ACGTTGTCTAG	TCAGAGTCTT	AAAGGTGCAT	TGTTTACTAG	TTTATTTTAA	240
GAAAAAATGA	ATATGAACAC	AACGCCGAAG	TACTACGAAA	AACGAACTGA	TTTAATTCAA	300
ACAGTTAAAT	TTGAAACGAA	AGAACAAATG	ATTTTCATTT	GTCAAAGTAT	TCAACACGCA	360
TCCCCAATTA	ATGCACATTT	TAGTCCANAA	CCTAGTTATA	TGCCTGGTTA	CGAAGATGAT	420
GTTATTATGG	CAGCTGGTAC	GTTTATTCAA	GGTTCATCCG	ATTGAATTAT	CTGCAGATGG	480
ACCTATTTCG	CCTCCTTATG	AAGCATATGT	TCAAGGANGA	TTAACATATG	AACACGTTAA	540
AATTGCTGTT	GACAAGANCT	GTTTAATCAG	TTTGAAAAAA	C		581

(2) INFORMATION FOR SEQ ID NO: 92:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2001 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 92:

CGGGGATCCT	CTAAAGTCGA	TCAAATTGGG	CGAATGAAGC	AAGGAAAAAC	AATTTTAAAA	60
AAGATTTCCT	GGCAAATTGC	TAAAGGTGAT	AAATGGATAT	TATATGGGTT	GAATGGTGCT	120
GGCAAGACAA	CACTTCTAAA	TATTTTAAAT	GCGTATGAGC	CTGCAACATC	TGGAACCTGT	180
AACCTTTTCG	GTAAAATGCC	AGGCAAGGTA	GGGTATTCTG	CAGAGACTGT	ACGACAACAT	240
ATAGGTTTTG	TATCTCATAG	TTTACTGGAA	AAGTTTCAAG	AGGGTGAAAG	AGTAATCGAT	300
GTGGTGATAA	GCGGTGCCTT	TAAATCAATT	GGTGTATTATC	AAGATATTGA	TGATGAGATA	360
CGTAATGAAG	CACATCAATT	ACTTAAATTA	GTTGGAATGT	CTGCTAAAGC	GCAACAATAT	420
ATTGGTTATT	TATCTACCGG	TGAAAAACAA	CGAGTGATGA	TTGCACGAGC	TTTAATGGGG	480
CAACCCAGG	TTTTAATTTT	AGATGAGCCA	GCAGCTGGTT	TAGACTTTAT	TGCACGAGAA	540
TCGTTGTATA	GTATACTTGA	CTCATTGTCA	GATTCATATC	CAACGCTTGC	GATGATTTAT	600
GTGACGCACT	TTATTGAAGA	AATAACTGCT	AACTTTCCA	AAATTTTACT	GCTAAAAGAT	660
GGCCAAAGTA	TTCAACAAGG	CGCTGTAGAA	GACATATTAA	CTTCTGAAAA	CATGTCACGA	720
TTTTTCCAGA	AAAATGTAGC	AGTTCAAAGA	TGGAATAATC	GATTTTCTAT	GGCAATGTTA	780
GAGTAAATAT	TTTGCAAATA	ATAAGTAATA	ATGACAAAAT	TTAATTAAGA	TAAAATGGAC	840
AGTGGAGGGC	AATATGGATA	ACGTTAAAAG	CAATATTTT	GGACATGGAT	GGAAACAATTT	900
TACATTGAAA	ATAATCCAAG	CATCCAACGT	WTACGAAAGA	TGTTTCATTAA	TCAATTGGAG	960
AGAGAAAGGA	TATWAAGTAT	TTTTGGSCAA	CAGGACGTTT	GCATTCTGAA	ATACACGMAA	1020
YTTGTACCTC	AAGATTTTGC	GGTTAATGGC	ATCATTAGTT	CAAATGGAAC	AATTGGAGAA	1080
GTAGATTGAG	AAATTATCTT	CAAGCATGGT	TTATCATTTG	CTCAAGTGCA	ACAAATTACT	1140
AATTTAGTCA	AGCGCCAACA	AATTTATTAT	GAGGTATTTC	CTTTTGAAGG	TAATAGAGTT	1200
TCTTTAAAAG	AAGATGAAAC	ATGGATGCGA	GATATGATTC	GTAGTCAAGA	TCCTATTAAT	1260
GGCGTAAGTC	ATAGTGAATG	GTCTTCAAGA	CAAGATGCGC	TTGCTGGTAA	GATAGATTGG	1320
GTAACCTAAGT	TTCCTGAAGG	TGAATATTCA	AAAATTTATC	TATTCAGTTC	TAATTTAGAA	1380
AAAATAACAG	CAATTAGAGA	TGAATTAAGG	CAAAATCATG	TGCAACTACA	GATTAGTGTT	1440
TCAAAATTCAT	CAAGATTTAA	TGCGGAAACA	ATGGCTTATC	AAACTGATAA	AGGTACAGGC	1500
ATTAAGAAAA	TGATTGCACA	TTTTGGTATT	CATCAAGAAG	AAACGTTAGT	TATTGGAGAT	1560

AGCGACAATG	ATAGAGCAAT	GTTTGAATTT	GGTCATTATA	CAGTTGCTAT	GAAAAATGCA	1620
CGCCCTGAAA	TCCAAGCATT	AACTTCAGAT	GTAACGGCAT	ACACGAATGA	AGAGGATGGC	1680
GCAGCAAAAT	ATTTAGCAGA	GCATTTTTTA	GCTGAAATAAT	AAAATAGGTA	GTTATTTTAT	1740
ATTTAATTTA	CAATAGTTGA	TGAGTAATGT	ACAAAGAGCA	GTAAAGTTAT	TTTCTATTAG	1800
AAAATGTCTT	ACTGCTCTTT	TGTATGCTTA	TAAATATTTG	AATCATCTAT	ATTTAATTGG	1860
ACAAACTCTA	TGAGAATAAA	TATTGTATAA	ACTAATAAGA	TAGGAAATTC	ATTGATTTTG	1920
AATAATATTT	CTTGTTTTAA	GGTTTAACTA	TTGAATTGTA	TACTTCTTTT	TTTAGTAGCA	1980
ACAGATCGAC	CTGCAGGCAT	A				2001

(2) INFORMATION FOR SEQ ID NO: 93:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2522 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 93:

GANCTCGGTA	CCCGGGGATG	CCTSYAGAGT	CGATCGCTAC	CACCTTGAAT	GACTTCAATT	60
CTTTCATCAG	AAATTTTGAA	TTTTCTAAGT	GTATCTTTCG	TATGCGTCAT	CCATTGTTGT	120
GGCGTCGCGA	TAATAATTTT	TTCAAAATCA	TTAATTAAAA	TAAATTTTTC	TAATGTATGG	180
ATTAAAATCG	GTTTGTGTGC	TAAATCTAAA	AATTGTTTAG	GTAAAGGTAC	GTTACCCATT	240
CTTGAGCCTA	TACCTCCAGC	TAGAATACCA	CGGTATTTC	TAAAATACTT	CCTCCATTCA	300
ACTATATCTA	TATTTAATTA	TTTAAATTTT	GTTGCATTTT	CCAATTGAAA	ACTCATTTTA	360
AAATCAAAAC	TCTAAATGTC	TGTGTATTAC	TTAAATTTAT	ACATATTTTG	CTTATATTTT	420
AGCATATTTT	GTTTAAACCT	ATATTACATT	ATATCAGACG	TTTTCATACA	CAAATAATAA	480
CATACAAGCA	AACATTTTCG	TTATTATTTA	TATCACTTAA	CTAATTAATT	TATAATTTT	540
TATTGTTTTT	AAGTTATCAC	TTAAAAATCG	TTTGGCAAAT	TCGTTGTGAC	GCTTGTCCAT	600
CTTCTAATGA	ACAGAATTTT	TGATAAAATA	CCGTTTCGTG	TTCAATATAC	TCATTTGCAG	660
TCTCATCGAT	TTGTTTTAAT	GCATCAATGA	GTGCTGTTTG	ATTTTCAACA	ATTGGAMCTG	720
GCAACTCTTT	TTTATAATCC	ATGTAAAAAC	CTCTAAGCTC	ATCGCCATAT	TTATCTAAGT	780
CATATGCATA	GAAAATTTGC	GGACGCTTTA	ATACACCGAA	GTCAACATG	ACAGATGAGT	840
AGTCGGTAAC	TAACGCATCG	CTGATTAAGT	TATAAATCCG	AAATGCCTTC	ATAATCTGGA	900
AAMGTCTTTC	AACAAAATCA	TCAATGTTCA	TCAATAACGY	GTCAACAAC	AAATAATGCA	960
KGCGTAATAA	AATAACATAA	TCATCATCCA	GCGCTTGACG	CAAAGCTTCT	ATATCAAAGT	1020
TAACATTAAA	TTGATATGAA	CCCTTCTCGG	AATCGTTTCA	TCGTCACGCG	CAAGTGTCCG	1080
CGTACATAAT	CAACTTTTTT	ATCTAATGGA	ATATTTAATC	TTGTCTTAAT	ACCATTAATA	1140
TATTCAGTAT	CATTGCGTTT	ATGTGATAAT	TTATCATTTT	TTGGATAACC	TGTTTCCAAA	1200
ATCTTATCTC	GACTAACATG	AAATGCATTT	TGAAATATCG	ATGTCGAATA	TGGATTAGGT	1260
GACACTAGAT	AATCCCACCG	TTGGCTTTCT	TTTTTAAAGC	CATCTTGGTA	ATTTTGAGTA	1320
TTTGTTCCTA	GCATTTTAAC	GTTACTAATA	TCCAAACCAA	TCTTTTTTAA	TGGCGTGCCA	1380
TGCCATGTTT	GTAAGTACGT	CGTTTCGCGT	GATTTATATA	ACCAATCTGG	TGTACGTGTG	1440
TTAATCATCC	ACGCTTTCGC	TCTTGGCATC	GCTAAAAACC	ATTTTCATTGA	AAACTTTGTA	1500
ACATATGGTA	CATTGTGCTG	TTGGAATATG	TGTTTCATATC	CTTTTTTCAC	ACCCCATATT	1560
AATTGGGCAT	CGCTATGTTT	AGTTAAGTAT	TCATATAATG	CTTTGGGGTT	GTCGCTGTAT	1620
TGTTTACCAT	GAAAGCTTTC	AAAATAAATT	AGATTCTTGT	TTGGCAATTT	TGGATAGTAA	1680
TTTAAAAGTC	GTATATATAC	TATGTTCTAT	CAATTTTFTA	ATTGTATTTT	TAATCATGTC	1740
GTACCTCCGA	CGTGTTTTTG	TAATTATATT	AATATGTATG	AGCAAGCTCA	TTGTAACCAT	1800
GCCTATTATA	GCAATTCATC	ATAAAATACA	TTTAACCAT	ACACTTGTCG	TTAATTATCA	1860
TACGAAATAC	ATGATTAATG	TACCACTTTA	ACATAACAAA	AAATCGTTAT	CCATTCATAA	1920
CGTATGTGTT	TACACATTTA	TGAATTAGAT	AACGATTGGA	TCGATTATTT	TATTTWACAA	1980
AATGACAATT	CAGTTGGAAG	GTGATTGCTT	TTGATTGAAT	CGCCTTATGC	ATGAAAAATC	2040
AAAAGGTTAT	TCTCATTGTA	TAGTCCTGCT	TCTCATCATG	ACATGTTGCT	CACTTCATTG	2100
TCAGAACCCT	TCTTGAAAAC	TATGCCTTAT	GACTCATTTG	CATGGCAAGT	AATATATGCC	2160
AACATTAGCG	TCTAAAACAAA	TCTTTGACTA	AACGTTCACT	TGAGCGACCA	TCTTGATATT	2220
TAAAATGTTT	ATCTAAGAAT	GGCACAACCT	TTTCAACCTC	ATAATCTTCA	TTGTCCAAAG	2280
CATCCATTAA	TGCATCAAAG	GACTGTACAA	TTTTACCTGG	AACAAATGAT	TCAAGATGGT	2340
CATAGAAATC	ACGCGTCGTA	ATGTAATCTT	CTAAGTCAAA	TGCATAGAAA	ATCATCGGCT	2400
TTTTAAATAC	TGCATATTCA	TATATTAAAG	ATGAATAATC	ACTAATCAAC	AAGTCTGTAA	2460
CAAAGAGAAT	ATCGTTWACT	TCASGRTCGA	TCGACTCTAG	AGGATCCCCG	GGTACCGAGC	2520
TC						2522

(2) INFORMATION FOR SEQ ID NO: 94:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1335 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 94:

CAGAGTTGTT	AATTCGTA	TCAGGAGAAC	AAAGAATAAG	TAATTTCTTG	ATTGGCAAG	60
TTTCGTATAG	TGAATTTATC	TTTAATCAAA	AATTATGGCC	TGACTTTGAC	GAAGATGAAT	120
TAATTTAAATG	TATAAAAAT	TATCAGTCAC	GTCAAAGACG	CTTGGCGGA	TTGARTGAKG	180
AGKATRTATA	GTATGAAAGT	TAGAACGCTG	ACAGCTATTA	TTGCCTTAAT	CGTATTCTTG	240
CCTATCTTGT	TAAAAGGCGG	CCTTGTGTTA	ATGATATTTG	CTAATATATT	AGCATTGATT	300
GCATTAAAAG	AAATTGTTGA	ATATGAATAT	GATTAAATTT	GTTTCAGTTC	CTGGTTTAAT	360
TAGTGCAGTT	GGTCTTATCA	TCATTATGTT	GCCACAACAT	GCAGGGCCAT	GGGTACAAGT	420
AATTCAATTA	AAAAGTTTAA	TTGCAATGAG	CTTTATTGTA	TAAAGTTATA	CTGTCTTATC	480
TAAAAACAGA	TTTAGTTTAA	TGGATGCTGC	ATTTTGCTTA	ATGTCTGTGG	CTTATGTAGG	540
CATTGGTTTT	ATGTTCTTTT	ATGAAACGAG	ATCAGAAGGA	TTACATTACA	TATTATATGC	600
CTTTTTAATT	GGTTGGCTTA	CAGATACAGG	GGCTTACTTG	TTTGGTAAAA	TGATGGGTTA	660
AACATAAGCT	TTGGCCAGTA	ATAAKTCCGA	ATAAAACAAT	CCGAAGGATY	CATAGGTGGC	720
TTGTTCTGTA	GTTTGATAGT	ACCACTTGCA	ATGTTATATT	TTGTAGATT	CAATATGAAT	780
GTATGGATAT	TACTTGGAGT	GACATTGATT	TTAAGTTTAT	TTGGTCAATT	AGGTGATTTA	840
GTCGAATCAG	GATTTAAGCG	TCATTTNNGC	GTTAAAGACT	CAGGTCGAAT	ACTACCTGGA	900
CACGGTGGTA	TTTTAGACCG	ATTTGACAGC	TTTATGTTTG	TGTTACCATT	ATTAAATATT	960
TTATTAATAC	AATCTTAATG	CTGAGAACAA	ATCAATAAAC	GTAAAGAGGA	GTTGCTGAGA	1020
TAATTTAATG	AATCCTCAGA	ACTCCCTTTT	GAAAATTATA	CGCAATATTA	ACTTTGAAAA	1080
TTATACGCAA	TATTAACTTT	GAAAATTAGA	CGTTATATTT	TGTGATTGTG	CTGTATACATA	1140
TTATAATGAC	TTATGTTACG	TATACAGCAA	TCATTTTAA	AATAAAAGAA	ATTTATAAAC	1200
AATCGAGGTG	TAGCGAGTGA	GCTATTTAGT	TACAATAATT	GCATTTATTA	TTGTTTTTGG	1260
TGTACTAGTA	ACTGTTTCATG	AATATGGCCA	TATGTTTTTT	GCGAAAAGAG	CAGGCATTAT	1320
GTGTCCAGAA	TTTGC					1335

(2) INFORMATION FOR SEQ ID NO: 95:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2902 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 95:

GAGCTCGGTA	CCCGGGGATC	CTCTAGAGTC	GATCATTACC	TAATTCGTAT	TGTCGAACAA	60
TTTGATACAT	TTTACCTAAA	TCATCATATT	TACAGAAATC	ATGTAATACA	CCTGCTAATT	120
CTACTTTTACT	AGTGTCTCCA	TCATAAATTT	CTGCCRATTT	AATCGCTGTT	TCTGCAACTC	180
TTAAAGAATG	ATTGATRACG	TTTCTCTGGA	CAGTTTCTCT	TTTGCAAGCC	GTTTTGCTTT	240
TTCAATGTWC	ATATAATCCT	TCCCCCTTAA	TATAGTTTTT	AACGGATTTA	GGAACAAGAA	300
CTTGATAGA	TTTCCCTTCA	CTAACTCTTT	GTCGAATCAT	TGTCGAACCT	ATATCTACCC	360
TAGGTATCTG	AATTGCAATC	ATAGCATTTT	CAACATTTTG	ACTATTTTGT	TCTCGATTTA	420
CAACTACAAA	AGTAACCATT	TCTTTTAAGT	ATTCAATTTG	ATACCATTTT	TCTAGTTGGT	480
TATACTGATC	CGTCCCAATA	ACAAAAGTACA	ACTCACTGTC	TTTGTGTTGC	TCCTTGAATG	540
CCTTGATCGT	GTCATAGGTA	TAACTTTGAC	CACCACGTTT	AATTTTCATG	TCACAAATAT	600
CTCCAAAACC	AAGCTCGTCG	ATAATCATCT	GTATCATTTG	TAATCTGTGC	TGAACGTCTA	660
TAAAATCATG	GTGCTTTTTT	AATGGAGAMA	WAAAAAMWARR	WAAAAAATAA	AATTCATCTG	720
GCTGTAATTC	ATGAAATACT	TCGCTAGCTA	CTATCATATG	TTGCAGTATG	GATAGGGTTA	780
AACCTGACCGC	CGTAAAGTAC	TATCTTTTTT	ATTATTATGG	CAATTCAATT	TCTTTATTAT	840
CTTTAGATTTC	TCTATAAATC	ACTATCATAG	ATCCAATCAC	TTGCACTAAT	TCACTATGAA	900
KTAGCTTTCCG	CTTAATGTTT	CCAGCTAATY	CTTTTTTATC	ATCAAAGTTT	ATTTTGTTAK	960
TACATGTTAC	TTTAATCAAT	YCTCTGTTTT	CYAAACGTTAT	CATCTATTTG	TTTAATCATA	1020
TTTTTCGTTGA	TACCGCCTTT	TCCAATTTGA	AAAATCGGAT	CAATATTGTG	TGCTAAACTT	1080
CTTAAGTATC	TTTTTTGTTT	GCCAGTAAGC	ATATGTTATT	CTCCTTTTAA	TTGTTGTAAA	1140
ACTGCTGTTT	TCATAGAATT	AATATCAGCA	TCTTTATTAG	TCCAAATTTT	AAAGCTTTCC	1200
GCACCTTGGT	AAACAAACAT	ATCTAAGCCA	TATATAATAT	GGTTTCCCTT	GCCTCTGCT	1260
TCCCTTAAAA	TAGGTGTTTT	ATACGGTATA	TAAACAATAT	CACTCATTA	AGTATTGGGA	1320
GAAAGAGCTT	TAAATTAATA	ATACTTTCGT	TATTTCCAGC	CATACCCGCT	GGTGTGTAT	1380
TAATAACGAT	ATCGAATTCA	GCTAAATACT	TTTCAGCATC	TGCTAATGAA	ATTTGGTTTA	1440
TATTTAAATT	CCAAGATTCA	AAACGAGCCA	TCGTTCTATT	CGCAACAGTT	AATTTGGGCT	1500
TTACAAATTT	TGCTAATTA	TAAGCAATAC	CTTTACTTGC	ACCACCTGCG	CCCAAAATTA	1560
AAATGTATGC	ATTTTCTAAA	TCTGGATAAA	CGCTGTGCAA	TCCTTTAACA	TAAACCAATAC	1620

CATCTGTATT	ATACCCTATC	CACTTGCCAT	CTTTTATCAA	AACAGTGTTA	ACTGCACCTG	1680
CATTAATCGC	TTGTTTCATCA	ACATAATCTA	AATACGGTAT	GATACGTTCT	TTATGAGGAA	1740
TTGTGATATT	AAASCCTTCT	AATYTTTTTT	TSGAAATAAT	TTCTTTAATT	AAATGAAAAA	1800
TTYTTCAATT	GGGAATATTT	AAAGCTTCATC	AAGTATCATC	TTAATCCTAA	AGAATTAAAA	1860
TTTGCTCTAT	GCATAACGGG	CGACAAGGAA	TGTGAAATAG	GATTTCCCTAT	AACTGCAAAT	1920
TTCAATTTTT	TAATCACCTT	ATAAAATAGA	ATTYTTTAAAT	ACAACATCAA	CATTTTTAGG	1980
AACACGAACG	ATTACTTTAG	CCCCTGGTCC	TATAGTTATA	AAGCCTAGAC	CAGAGATCAT	2040
AACATCGCGT	TTCTCTTTGC	CTGTTTCAAG	TCTAACAGCC	TTTACCTCAT	TAAGATCAAA	2100
ATTTTGTGGA	TTTCCAGGTG	GCGTTAATAA	ATCGCCAAGT	TGATTACGCC	ATAAATCATT	2160
AGCCTTCTCC	GTTTTAGTAC	GATGTATATT	CAAGTCATTA	GAAAAGAAAC	AAACTAACGG	2220
ACGTTTACCA	CCTGAWACAT	AATCTATGCG	CGCTAGACCG	CCGAAGAATA	ATGTCKGCGC	2280
CTCATTTAAT	TGATATAACG	GTTGTTTTAT	TTCTTTCTTA	GGCATAATAA	TTTTCAATYC	2340
TTTTTGACTA	ACTAAATGCG	TCAATTTGGT	ATCTTGAATA	ATACCTGGTG	TATCATACAT	2400
AAATGATGTT	TCATCTAAAG	GAATATCTAT	CATATCTAAA	GTTGYTTCCA	GGGAATCTTG	2460
AAGTGTGTAC	TACATCTTTT	TCACCAACAC	TAGCTTCAAT	CAGTTTATTA	ATCAATGTAG	2520
ATTTCCCAAC	ATTCTGTTGC	CCTACAATAT	ACACATCTTC	ATTTTCTCGA	ATATTGCGAA	2580
TTGATGATAA	TAAATCGTCT	ATGCCCCAGC	CTTTTTCAGC	TGAAATTAAT	ACGACATCGT	2640
CAGCTTCCAA	ACCATATTTT	CTTGCTGTTC	GTTTTAACCA	TTCTTTAACT	CGACGTTTAT	2700
TAATTTGTTT	CGGCAATAAA	TCCAATTTAT	TTGCTGCTAA	AATGATTTTT	TTGTTTCCGA	2760
CAATACGTTT	AACTGCATTA	ATAAATGATC	CTTCAAAGTC	AAATACATCC	ACGACATTGA	2820
CGACAATACC	CTTTTTATCC	GCAAGTCCTG	ATAATAATTT	TAAAAAGTCT	TCACTTTCTA	2880
ATCCTACATC	TTGAACTTCG	TT				2902

(2) INFORMATION FOR SEQ ID NO: 96:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1916 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:

AGTCGATCAA	AGCCAATGTT	CCAGTTGTTC	CTGGTAGTGA	CGGTTTAATG	AAAGACGTCT	60
CAGAAGCTAA	GAAAAATCGC	AAAAAAATTT	GCTATCCGGT	CATCATTAAA	GCTACTGCTG	120
GCGGTGGCGG	AAAAGGTATC	CGTGTGTGCTC	GTGATGAAAA	AGAACTTGAA	ACTGGCTTCC	180
GAATGACAGA	ACAAGAAGCT	CAAACTGCAT	TTGGTAATGG	TGGACTTTAT	ATGGAGAAAT	240
TCATCGAAAA	CTTCCGCCAT	ATTGAAATCC	AAATTGTTGG	GGACAGCTAT	GGTAATGTAA	300
TTCATTTAGG	AGAACGTGAT	TGTACAATTC	AAAGACGNTT	GCAGAAATTA	GTGGAAGAAG	360
CACCTTCCCC	NATTTTAGAT	GATGAAACAC	GTGCTGAAAT	GGGAAATGCC	GCAGTTCGTG	420
CAGCGAAAGC	TGTAAATTAT	GAAAATGCGG	GAACAATTGA	GTTTATATAT	GATTTAAATG	480
ATAATAAAAT	TTATTTTATG	GAAATGAATA	CACGTATTCA	AGTAGAACAT	CCTGTAACGT	540
AAATGGTAAC	AGGAATTGAT	TTAGTTAAAT	TACAATTACA	AGTTGCTATG	GGTGACGTGT	600
TACCGTATAA	ACAAGAAGAT	ATTAATTTAA	CAGGACACGC	AATTGAATTT	AGAATTAATG	660
CTGAAATCC	TTTACAAGAAC	TTTTATGCCAT	CACCAGGTAA	AATTGAGCAA	TATCTTGCAC	720
CAGGTGGATA	TGGTGTTCGA	ATAGAGTCAG	CATGTTATAC	TAATTATACG	ATACCGCCAT	780
ATTATGATTC	GATGGTAGCG	AAATTAATCA	TACATGAACC	GACACGAGAT	GARGCGATTA	840
TGGSTGGCAT	TCGTGCACTA	ARKGRAWTTG	TGGTYTTTGG	GTATTGATAC	AACTATTCCA	900
TTTCCATATT	AAATTATTGA	ATAACGGATA	TATTTAGGAA	GCGGTAAATT	TAATACAAAC	960
TTTTTTAGAAG	CAAAATAGCA	TTATTGAATG	ATGAAAGGTT	AATAGGAGGT	CMATCCMTG	1020
GTCAAAGTAA	CTGATTATTC	MAATTCMAAA	TTAGGTAAAG	TAGAAATAGC	GCCAGAAGTG	1080
CTATCTGTTA	TTGCAAGTAT	AGCTACTTCG	GAGTCGAAG	GCATCACTGG	CCATTTTGCT	1140
GAATTTAAAG	AAACAAATTT	AGAAAAAGTT	AGTCGTAAAA	ATTTAAGCCG	TGATTTAAAA	1200
ATCGAGAGTA	AAGAAGATGG	CATATATATA	GATGTATATT	GTGCATTAAA	ACATGGTGT	1260
AATATTTCAA	AAACTGCAAA	CAAAATTCAA	ACGTCAATTT	TTAATTCAAT	TTCTAATATG	1320
ACAGCGATAG	AACCTAAGCA	AATTAATATT	CACATTACAC	AAATCGTTAT	TGAAAAGTAA	1380
TGTCATACCT	AATTCAGTAA	TTAAATAAAG	AAAAATACAA	ACGTTTGAAG	CGTTTAAAAA	1440
TGAGTCGTAA	AGAATCCCGA	GTGCAAGCTT	TTCAAACCTT	ATTTCAATTA	GAAATGAAGG	1500
ACAGTGATTT	AACGATAAAT	GAAGCGATAA	GCTTTATTAA	AGACGATAAT	CCAGATTTAG	1560
ACTTCGAATT	TATTCATTGG	CTAGTTTCTG	GCGTTAAAGA	TCACGAACCT	GTATTAGACG	1620
AGACAATTAG	TCCTTATTTA	AAAGATTGGA	TTTATTGACG	TTTATTAAAA	ACGGATTGTA	1680
TTATTTTAAAG	AATGGCAACA	TATGAAATAT	TACACAGTGA	TACACCTGCT	AAAGTCGTAA	1740
TGAATGAAGC	AGTTGAATTA	ACAAAACAAT	TCAGTGATGA	TGATCATTAT	AAATTTATAA	1800
ATGGTGTATT	GAGTAATATA	AAAAAATAAA	ATTGAGTGAT	GTTATATGTC	AGATTATTTA	1860
AGTGTTCAG	CTTTAACGAA	ATATATTTAA	TATAAATTTG	ATCGACCTGC	AGGCAT	1916

(2) INFORMATION FOR SEQ ID NO: 97:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	1932 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:

CGGGGATCCT	CTAGAGTCGA	TCCGTTTGGT	GGTGGTTTTG	GTTTCTTCGA	GTAAGTGTA	60
GGAGGCTATG	AATTGARRAC	GGTCGGTGAA	GCGCTAAAAG	GTANACGTGA	AAGGTTAGGA	120
ATGACTTYAA	CAGAATTAGA	GCAACGTACT	GGAATTAANC	GTGAAATGCT	AGTGCATATT	180
GAAAATAATG	AATTCGATCA	ACTACCGAAT	AAAAATTACA	GCGAAGGATT	TATTAGAAAA	240
TATGCAAGCG	TAGTAAATAT	TGAACCTAAC	CAATTAATTC	AAGCTCATCA	AGATGAAATT	300
CCATCGAACC	AGAGCCGAAT	GGGACGAAGT	AATTACAGTT	TTCAATAGAT	AATAAAGACT	360
TACGATTATA	AGAGTAAATC	AAAGANAGCC	AATACAATTA	TTAGTAATCA	TGGGTTATTA	420
CAGTTTTAAT	AACTTTATTG	TTATGGATCA	TGTTAGTTTT	AATATTTTAA	CAGAAATAAA	480
TTAGTGAGAA	ATGAGGATGT	TATAATGAAT	ATTCCGAACC	AGATTACGGT	TTTTAGAGTT	540
AGTGTTAATA	CCAGTTTTTA	TATTGTTTGC	GTTAGTTGAT	TTTGGATTTG	GCAATGTGTC	600
ATTTCTAGGA	GGATATGAAA	TAAGAATTGA	GTTATTAATC	AGTGGTTTTA	TTTTTATATT	660
GGCTTCCCTT	AGCGATTTTG	TTGATGGTTA	TTTAGCTAGA	AAATGGAATT	TAGTTACAAA	720
TATGGGGAAA	TTTTTGATC	CATTAGCGGA	TAAATTATTA	GTTGCAAGTG	CTTTAATTGT	780
ACTTGTGCAA	CTAGGACTAA	CAAATTCTGT	AGTAGCAATC	ATTATTATTG	CCAGAGAATT	840
TGCCGTAAC	GGTTTACGTT	TACTACAAAT	TGAACAAGGA	TTCCGTAAGT	TGCAGCTGGT	900
CCAATTTAGG	TWAAAWTAA	AACAGCCAGT	TACTATGGTT	AGCMAWTWAC	TTGGTTGTTW	960
ATTAAGKTGA	TCCCATTGGG	CAACATTGAT	TGGTTTGTCC	ATTARGACAA	ATTTTAATTA	1020
TAACATTGGC	GTTATWTTTW	ACTATCYTAT	CTGGTATTGA	ATAACTTTTA	TAAAGGTAGA	1080
GATGTTTTTA	AACAAAAATA	AATATTTGTT	TATACTAGAT	TTCAATTTCA	TATGGAATCT	1140
AGTTTTTTTT	ATCCCAATTT	TAGAAATTAG	CCACGCAATT	GTTTATAATG	ATATATTGTA	1200
AAACAATATT	TGTTCAATTT	TTTAGGGAAA	ATCTGTAGTA	GCATCTGATA	CATTGAATCT	1260
AAAATTGATG	TGAATTTTTA	AATGAAATAC	ATGAAAAAAT	GAATTAAACG	ATACAAGGGG	1320
GATATAAATG	TCAATTGCCA	TTATTGCTGT	AGGCTCAGAA	CTATTGCTAG	GTCAAATCGC	1380
TAATACCAAC	GGACAATTTT	TATCTAAAGT	ATTTAATGAA	ATTGGACAAA	ATGTATTAGA	1440
ACATAAAGTT	ATTGGAGATA	ATAAAAAACG	TTTAGAATCA	AGTGTAAAGT	CATGCGCTAG	1500
AAAAATATGA	TACTGTTATT	TTAACAGGTG	GCTTAGGTCC	TACGAAAGAT	GACTTAACGA	1560
AGCATAAGT	GGCCAGATT	GTTGGTAAAG	ATTTAGTTAT	TGATGAGCCT	TCTTTAAAT	1620
ATATTGAAAG	CTATTTTGAG	GAACAAGGAC	AAGAAATGAC	ACCTAATAAT	AAACAACAGG	1680
CTTTAGTAAT	TGAAGGTTCA	ACTGTATTAA	CAAATCATCA	TGGCATGGCT	CCAGGAATGA	1740
TGGTGAATTT	TGAAAACAAA	CAAATTATTT	TATTACCAGG	TCCACCGAAA	GAAATGCAAC	1800
CAATGGTGAA	AAATGAATTT	TTGTACACATT	TTATAAACCA	TAATCGAATT	ATACATTCTG	1860
AACTATTAAG	ATTTGCGGGA	ATAGGTGAAT	CTAAAGTAGA	AACAATATTA	ATAGATCGAC	1920
CTGCAGGCAT	GC					1932

(2) INFORMATION FOR SEQ ID NO: 98:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	619 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:

ATTTCGAGCTC	GGTACCCGGG	GATCCTCTAN	AGTCGATCTT	ACGGATGAAC	AATTAGTGGA	60
ATTAATGGAA	AGAATGGTAT	GGACTCGTAT	CCTTGATCAA	CGTTCTATCT	CATTAAACAG	120
ACAAGGACGT	TTAGGTTTCT	ATGCACCAAC	TGCTGGTCAA	GAAGCATCAC	AATTAGCGTC	180
ACAATACGCT	TTAGAAAAAG	AAGATTACAT	TTTACCGGGA	TACAGAGATG	NTCCTCAAAT	240
TATTTGGCAT	GGTTTACCAT	TAAGTGAAGC	TTTCTTATTC	TCAAGAGGTC	ACTTCAAAGG	300
AAATCAATTC	CCTGAAGGCG	TTAATGCATT	AAGCCCACAA	ATTATTATCG	GTGCACAATA	360
CATTCAAGCT	GCTGGTGTTC	GCATTTGCAC	TTAAAAAACG	TTGGTAAAAA	TGCAGTTGCA	420
ATCACTTACA	CTGGTTGACG	GTGGTTCTTC	ACAAGGTTGA	TTTCTACGAA	GGTATTAAC	480
TTGCAGCCAG	CTTTATAAAG	CACCTGGCAA	TTTTCCGTTA	TTCAAAAACAA	TAAGTATGCA	540
ATTTCAAACAC	CCAAGAAACG	AGCNAACTGC	TGCTGAAACA	TTACTCAAAA	ACCATTGCTG	600
TAGTTTTTCCT	GGTATCCAT					619

(2) INFORMATION FOR SEQ ID NO: 99:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 616 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:

CTTGCAATGCC	TGCAGGTCGA	TCANCAATGT	TAACAACAGG	TACTAATAAT	CCTCTATCAG	60
TGTCTGCTGC	AATACCGATA	TTCCAGTAAT	GTTTATGAAC	GATTTACCA	GCTTCTTCAT	120
TGAATGAAGT	GTTAAGTGCT	GGGTATTTTT	TCAATGCAGA	AACAAGTGCT	TTAACAACAT	180
AAGGTAAGAA	TGTTAACTTA	GTACCTTGTT	CAGCTGCGAT	TTCTTTAAAT	TTCTTACGGT	240
GATCCCATAA	TGCTTGAACA	TCAATTTTCA	CCATTAATGT	TACATGAGGT	GCAGTATGCT	300
TAGAGTTAAC	CATTGCTTTC	GCAATTGCTC	TACGCATAGC	AGGGATTTTT	TCAGTTGTTT	360
CTGGGAAGTC	GCCTTCTAAT	GTTACTGCTG	CAGGTGCTGC	AGGAGTTTCA	GCAACTTCTT	420
CACTTGTAGC	TGAAGCAGCT	GATTCATTTG	AAGCTGTTGG	TGCACCACCA	TTTAAGTATG	480
CATCTACATC	TTCTTTTGTA	ATACGACCAT	TTTTTACCAG	ATCCAGAAAC	TGCTTTAATG	540
TTTAACACCT	TTTTACGCTG	CGTTATTTAC	TTACTGAAGG	CATTGCTTTA	AACAGTCTGT	600
TTTCATCTAC	TTCTC					616

(2) INFORMATION FOR SEQ ID NO: 100:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 655 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:

GTACCGGGGA	TCGTCACCTA	NCCTCTCTAT	TTCAATTTCA	ACTTATTTTCG	TCATCAAGTA	60
TATGTGTAT	GCTTTTATAA	CTTTGATTTT	AATTCTATCA	ATATCTGTGA	CATTGATAAC	120
ATCGGACATA	CGGTCTTCTT	GTAACCTTTT	ATCCAATTTA	AATGTATACT	TTCCATAGTA	180
TTTCTTTTTC	ACTGTAATTT	TTCTGTACT	CATTTACCG	TAAAGACCAT	AATTATCAAT	240
AAGGTATTTT	CTTAATTTAA	AATCAATCTC	TTTCAATGAC	ATCGCTTCTT	TATCTATTTT	300
AAATGGGAAA	AAGTCATAAT	CATATTCACC	AGTATGATCT	TCTTTAATAA	CTCTTGCTTC	360
TGCTATTAGG	TCGACAGCTT	TATCGTTTGC	ACTCGTGATA	CCCCCAATAG	AGTACTTTGC	420
ACCTTCAAAT	CTCTTATCCT	CATTACGTA	AAATATATTA	AGAWTACGAW	KKTACACCCG	480
TATGATAATG	TTTGCTTATC	TTTGCCAATT	AAAGCAATAT	TATTAACAGA	ATTACCATCT	540
ATGATATTCA	TAAATTTAAT	ACTTGTTTGA	ATGAAACTGG	ATATAACCTG	TCMCATTTTT	600
AATATTCMAT	ACTAGGTTGA	ATWATAATAA	GCTTTTAATT	TTTKGCTATT	TTCCC	655

(2) INFORMATION FOR SEQ ID NO: 101:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 650 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 101:

GTCGACTCTA	GAGGACTGCG	TAATAACCTA	TGAAAAATGA	TATGAGCAAC	GCCGCTCTGC	60
TTTGCCGCAT	ATACTAAATT	TTCCACTTCA	GGAATACGTT	TGAATGATGG	ATGGATAATA	120
CTTGGAATAA	ACACAACGGT	ATCCATTCCCT	TTAAATGCTT	CTACCATGCT	TTCTTGATTA	180
AAATAATCTA	ATTGTGCAAC	AGGAACTTTT	CCGCGCCAAT	CTTCTGGAAC	TTTCTCAACA	240
AAATGTAAT	CAATGTGAAA	ATGATCTATG	TGATTTGCAA	TGGCTTGATT	TGTAATATGT	300
GTGCCTAAAT	GACCTGTAGC	ACCTGTAAAC	ATAATATTCA	TTCACCTTCAT	CTCCTAATCT	360
TTATATACAT	AACATAATAC	TTATTTGATG	GTTTTCAAAA	CATTTGATTT	TATAAAAAAT	420
TCTAATCTGT	ATTTATTGTC	GACGTGTATA	GTAAATACGT	AAATATTANT	AATGTTGAAA	480
ATGCCGTAAT	GACGCGTTTT	AGTTGATGTG	TTTCACTAAT	ATCATTGAAA	ATTTTAATCA	540
GGTACTACGA	CAATATGAAG	TCTGTTTTGT	GTCTGAAAAAT	TTTACAGTTT	TTAAAAATAA	600
AATGGTATAA	GTTGTGATTT	GGTTTAAAAA	ANAATCTCGA	CGGATAANAA		650



(2) INFORMATION FOR SEQ ID NO: 102:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2341 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 102:

CTTGCAATGCC	TGCAGGTCGA	TCTTTATTAT	NATCTACACC	ACGTANCATT	TCAACATGAC	60
CACGNTCATG	ACGATGTATG	CGTGCGTAAG	GTCTGTGKY	WACATAATCK	GCACCTAAAT	120
TCATCGCATG	ATCTAAAAAG	GCTTTAAACT	TAATTTCTTT	ATWAMACATA	ACGTCTGGAT	180
TTGGAGTACG	ACCTTTTTTG	TATTCATCTA	AGAAATACGT	AAAGACTTTA	TCCCAATATT	240
CTTTTTCAAA	ATTAACAGCG	TAATACGGAA	TGCCAATTTG	ATTACACACT	TCAATAACAT	300
CGTTGTAATC	TTCAGTTGCA	GTACATACGC	CATTTTCGTC	AGTGTCAATC	CAGTATTTCA	360
TAAATATGCC	AATGACATCA	TAACCTTGTT	CTTTTAAGAC	GTGGGCTGTT	ACAGAACTAT	420
CTACACCGCC	TGACATACCA	ACGACAACAC	GTTATATCTT	TATTTGACAA	TTATGACTCC	480
TCCTTAAAT	TAAATATAT	TTTATGAATT	TCAGTACAA	TTGCATTAAT	TTCAATTTCA	540
GTAGTCAATT	CGTTAAAACT	AAATCGAATC	GAATGATTTG	ATCGCTCCTC	ATCTTCGAAC	600
ATTGCATCTA	AAACATGCGA	CGGTTGTGTA	GAGCCTGCTG	TACATGCAGA	TCCAGACGAC	660
ACATAGATTT	GTGCCATATC	CAACAATGTT	AACATCGTTT	CAACTTCAAC	AAACGGAAAA	720
TATAGATTTA	CAATATGGCC	TGTAGCATCC	GTCATTGAAC	CATTTAATTC	AAATGGAATC	780
GCTCTTTCTT	GTAATTTAAT	TAAAAATTGT	TCTTTTAAAT	TCATTAAATG	AATATTTGTA	840
TCGTCTCGAT	TCTTTCTGAT	TAATTTGAAT	GCTTTAGCCA	TCCCAACAAT	TTGCGCAAGA	900
TTTTCAKTGC	CTAGCACGGC	GTTTCAATTC	TTGTTACCGG	CCAAGTTGAG	GATAATCTAG	960
TGTAACATGG	TCTTTAACTA	GTAATGCACC	GACACCTTTT	GGTCCGCCAA	ACTTATGAGC	1020
AGTAATACTC	ATTGCGTCGA	TCTCAAATTC	GTCAAWCTTA	ACATCAAGAT	GTCCAATTGC	1080
TTGAACCGCA	TCAACATGGA	AATATGCATT	TGTCTCAGCA	ATAATATCTT	GAATATCATA	1140
AATTTGTTGC	ACTGTGCCAA	CTTCATTATT	TACAAACATA	ATAGATACTA	AAATCGTCTT	1200
ATCTGTAATT	GTTTCTTCAA	GTTTGATCTA	AATCAATAGC	ACCTGTATCA	TCARCATCTA	1260
GATATGTTTA	CATCAAAACC	TYCTCGCTCT	AATGTTTCAA	AAACATGTAA	CACAGAATGA	1320
TGTTCAATCT	TCGATGTGAT	AATGTGATTA	CCCAATTGTT	CATTTGCTTT	TACTATGCCT	1380
TTAATTGCCG	TATTATTCGA	TTCTGTTGCG	CCACTCGTAA	ATATAATTTT	ATGTGTATCT	1440
GCACCAAGTA	ATTGTGCAAT	TTGACGTCTT	GACTCATCTA	AATATTTACG	CGCATCTCTT	1500
CCCTTAGCAT	GTATTGATGA	TGGATTACCA	TAATGCGAAT	TGTAAATCGT	CATCATCGCA	1560
TCTACTAATC	TCAGGTTTTA	CTGGTGTTGG	CGCAGCATAA	TCTGCATAAA	TTTCCCATGT	1620
TTGGACAAC	CCTCACAATT	TTATCAATGT	TCCAATAATA	GCACCTTAAC	ATACTATTTT	1680
TCTAACTTTT	CTGTTTAACT	TTATTTATAA	TGTTTTTAAAT	TATATTTTAC	CATTTTCTAC	1740
ACATGCTTTT	CGATAGGCTT	TTTTAAGTTT	ATCGCTTTAT	TCTGTCTTTT	TTTATAAATT	1800
TTAGTAAATT	CGATATTTT	TTTATTTGTA	AAATGTAACG	TACTATTATT	TTGGTTATGA	1860
GCAATTTAAT	ATTTATCTGG	TTATTCGGAT	TGGTATACCT	CTTATATCAT	AAAAAAGGAA	1920
GGACGATATA	AAAATGGCGG	ATTAAATATT	CAGCAKKRAA	CCTTGTCCTT	ATTCGAGAAG	1980
GTGAAGATGA	ACAAACAGCA	ATTAATAATA	TGGTTAATCT	CGCACAACAT	TTAGACGAAT	2040
TATCATATGA	AAGATATTTG	ATTGCTGAAC	ACCTAACGCT	TCCCAACCTA	GTAAGTTTCA	2100
CAACTGCTTT	ATTAATTCAA	CATACGTTAG	AACATACGAA	ACACATACGT	GTAGGTTCTG	2160
GAGGCATCAT	GTTACCTAAT	CATGCTCCAT	TAATCGTTGC	GGAACAATTT	GGCAGCATGG	2220
CAACATTATT	TCCAAATCGT	GTCGATTTAG	GATTAGGACG	TGCACCTGGA	ACAGATATGA	2280
TGACCGCAAG	TGCATTAAGA	CGAGATCGAC	TNTAGAGGAT	CCCCGGGTAC	CGAGCTCGAA	2340
T						2341

(2) INFORMATION FOR SEQ ID NO: 103:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2026 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 103:

AAGGAAACCA	CCAACACCTG	CGCCAACTAA	ACCKCCTGTT	AGTGCAGAAA	TAACGCTAAT	60
AGCCCCCGCA	CCTAAAGCAG	CTRKNGTTTT	TGTATATGCA	GAAGAAAGAT	ATAATGTTGC	120
AGTATCTTTA	CCTGTTTCTA	CATATTGAGT	TTTACCCGCT	CTCAATTGGT	CTTCAGCTTT	180
ATATTNTWT	ATTTCTTCTW	TAGTAAATAT	ATTTCCRGRT	TTATAACCTT	TTTTCTCAAG	240
TTCATCAAAT	AAATTTWGGT	TACTCAAATA	TATTACCTTT	GCTTGAGAAT	GGTCTAATCT	300

ATCTTCAGCA	TGAGCTACAT	CTGAATTATA	GAGATAATGA	AATTGGACTA	ACAAATAATA	360
CACCAGCAGC	TRRTAATAAG	AGATTTTTTAA	TTCGTTTTTTC	ATTAGTTTCT	TTTAGATGAT	420
TTTTGTATTT	AGATTTTCGTA	TAAACAGAAA	CTAGATTTTT	TCATGATCGA	CCTATCTTTT	480
GTCCAGATAC	AGTGAGACCT	TGTCATTTAA	ATGATTTTTA	ATTCGTCTTG	TACCAGAGAC	540
TTTTCTATTA	GAATTAAGAA	TATTTATGAC	GGCTGTTCTA	TGTTTGAATC	ATCTTTAGTG	600
ATTTTATTAT	CTTTCTTTT	TATAGAATCA	TAATAGGTAC	TTCTTAGTAT	TATCAGGACT	660
TTACACATTG	NTGATACTGA	ATANTGATGT	GCATTCTTTT	GAATGACTTC	TATTTTTGCC	720
CCATAATCAG	CGCTACTTGC	TTTAAATAT	CGTGCTCCAT	TTTAAATGT	TGAACTTCTT	780
TGCGTAATTT	AATCAGGTCT	TTTTCTTCAT	CCGATAAGTT	ATCTTGGTGA	TTGAATGTAC	840
CCGTGTTTTG	ATGTTGCTTT	ATCCATTTTC	CTACATTTTA	TAACCGCCAT	TTACAAACGT	900
CGAAGGTGTG	AAATCATACT	CGCGTWTAA	TTCATTCCCTA	GGCTTACCAT	TTTTATATAA	960
TCTAACCAT	TGTAACCTAA	ACTCTGAAC	AAATGATCTT	CTTTCTCTTG	TCATAATAAA	1020
ATCGCCTACT	TTCTTAAAT	AACAATATCT	ATTCTCATAG	AATTTGTCCA	ATTAAGTGTA	1080
GACGATTCAA	TCTATCAGCT	AGAATCATAT	AACCTATCAG	AAGCAAGTGA	CTGTGCWTGT	1140
ATATTTGCCG	MTGATATAAT	AGTAGAGTCG	CCTATCTCTC	AGGCGTCAAT	TTAGACGCAG	1200
AGAGGAGGTG	TATAAGGTGA	TGCTYMTTTT	CGTTCAACAT	CATAGCACCA	GTCATCAGTG	1260
GCTGTGCCAT	TGCGTTTTTY	TCCTTATTGG	CTAAGTTAGA	CGCAATACAA	AAATAGGTGAC	1320
ATATAGCCGC	ACCAATAAAA	ATCCCCTCAC	TACCGCAAA	AGTGAGGGGA	TTGGTGTATA	1380
AGTAAATACT	TATTTTCGTT	GTCTTAATTA	TACTGCTAAT	TTTTCTTTTT	GTAAAATATG	1440
CAAGGTTTTA	AAGAGAAACA	TCAAGAATA	AAAAAGGCTY	TATGTCAAAT	TGGACTGATG	1500
CGTTCAATAT	CCGAAGTTAA	GCAACTAAAC	ATTGCTTAAC	TTCTTTTTTA	CTTTTTGGAG	1560
CGTAAAGTTT	TGAACATAAT	AATATTCGAT	TGCGCAAATG	ATTGTAACCT	CCATAAACCA	1620
AAGATGTACG	TTTAATTAAT	TTTATTTTGT	TATTTATACC	TTCTAAAGGA	CCATTTGATA	1680
AATTGTAATA	ATCAATGGTT	ACACTATTAA	AAGTGTACAC	AATCTCTATG	AATCTGGCAT	1740
AACTTTGAA	TTAATAAAT	AAGTAAGAAA	ACCTCGGCAC	TTTATCATTT	TAATAGTGTC	1800
GAGATTTTTA	TGATACTAC	AAATATTTAT	AACATAGTTA	AACCTCATCTA	TTAGAGTATA	1860
TTTTTGTTTC	ATCACAATAT	GAACAATTAT	TTATTGGACG	TATTTTGCTC	TTTTTTTATT	1920
TCAGAAACTG	ACTTAGGATT	TTTATTAAAT	TTTCTACCCA	ATTCATCTGT	ATAAGAAATA	1980
TCGGTATCAA	ATTGAAATC	ATCAACAGAT	CGACCTGCAG	GCATGC		2026

(2) INFORMATION FOR SEQ ID NO: 104:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2736 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 104:

TGCCTGCAGG	TCGATCTTCT	ATGTAAATAA	TCAAATGACG	TTTCTTCTAT	AGATATAAAT	60
TGATATASAA	AACTAAAAAT	ACAACGCAA	CTATAAGATA	ACAATACTAC	CAAATGACAA	120
CCTCCTTATG	TAAATTATAG	TTAGTTATTA	CCAAAATGTA	AATATACACT	ATTTTTCAAG	180
AATTGAACCG	CTTTTTCATT	TAAATTTTTT	AATATTGCTA	AGCATAATTG	ATGGTACTT	240
TAACAACCTA	TTACTGCTCG	GCAAAATTAA	TAATGGCAAG	AAATTGAACC	TTATAAACAC	300
ATACGATTTA	GAGCATAAAA	AATAACCATG	AAGCTCTACC	TATTGATTAA	ATARATTCTT	360
CATGGCTATT	TTAGTTTTAG	TTTTATAATG	CTTCAAAGTC	TAATTTTGAT	TTAACTTCAC	420
TTATGAAATA	CAGACTACCG	GTAATTACTA	ATGTATCACC	TTGATAATTT	TTTATAAATT	480
CAACGTAGTC	ATCTACTAAT	TGTATTTTCAT	CATTTTCAAT	ACTACCTACA	ATTTCTTCTT	540
TGCGTAACGC	TTTCGGAAAA	TCAAATTCAG	TTGCATAAAA	CGTATGCGCA	ATTAACTTAA	600
AATGTTTGAC	CATCTCGTTA	ATCGGTTTTT	CGTTTATGTC	TGASAACAAA	ATATCTACTT	660
TTTCTTTTAT	ATGGTACTGT	TTAATTGTAT	CAATTAGAGC	ATCTATACTC	TCTGAATTAT	720
GYGCGCCATC	CAAAATGATT	AAAGGYTTGT	CATGCACCTG	CTCAATACGT	CCAGTCCAAC	780
GAACTGATTC	AATACCGTCT	ATCATCTTAT	TGAAATCTAA	TTCAATTAAT	CCTTGTTTAT	840
TTAATTCAAT	AAGAGCTGTT	ATGGCTAATG	CAGCAAWTTT	GTTTCTGATG	TTTCACCTAA	900
CATGCTTAAA	ATGATTGTTT	CTAATTCATA	ATCTTTATAA	CGGTAAGTTA	AATTCATCAT	960
TTTGCGATAC	AACAACAATT	TCTCTATCTA	ATTCAATGGC	TTTGCATGTT	GTTCAATTGC	1020
GCGTTCACGA	ACATATTTTA	ATGCATCTTC	ATTTTATACA	GCATATATCA	CTGGAACKTT	1080
AGGSTTTATA	ATCGCGCCYT	TATCCCTAGC	AATATCTAGA	TAAGTACCAC	CTAAAATATC	1140
TGTATGGTCT	AGACCGATAC	TAGTTAAGAT	TGATAAAACC	GGTGTAAAGA	CATTTGTCGA	1200
ATCGTTCTTT	ATACCCAATC	CAGCCTCAAC	AATGACAAAA	TCAACAGGAT	GTATTTTACC	1260
AAAATATAAA	AACATCATCG	CTGTGATTAT	TTCGAATTTA	GTTGCAAMMM	CTAAATCTGT	1320
TTCAMSTTCC	ATCATTTCAA	TTAACTGGTT	TAATACGTGA	TACTAATTCT	AACAATAGCG	1380
TCATTTGATA	TTGGCAACAC	CATTTAGRAT	AATTCGTTCA	TTAAATGTTT	CAATAAACGG	1440
CGACGTAAAT	GTACCTACTT	CATAACCATT	TTCAACTAAA	GCTGTTCTAA	GGTAAGCAAC	1500
TGTAGAGCCT	TTACCATTTG	TGCCACSKAC	ATGAATACCC	TTTGAAGATT	TTTGAAGATT	1560
ATTAAATTGT	GCTAGCATCC	ATTCCATACG	TTTAAACACCT	GGTTTGATGC	CAAATTTAGT	1620
TCTTTCGTGT	ATCCAATACA	AGCTCTCTAG	GTAATTCATT	GTTACTAACT	CCTATGCTTT	1680

TAATTGTTCA	ATTCTTGCCT	TCACACCATC	ATATTTTTCT	TGATAATCTT	GTTTTTTACG	1740
TTTTTCTTCA	TTTATAACCT	TTTCAGGTGC	TTTACTTACA	AAGTTTTTCAT	TAGAGAGCTT	1800
TTTATCTACT	CTATCTAATT	CGCTTTGAAG	TTTAGCTAAT	TCTTTTTTCCA	AACGGCTGAT	1860
TTCTTTATCC	ATATCAATTA	GCCCTTCTTA	ATGGTAATAC	CCACTTTACC	TGCAATTACA	1920
ACTGATGTCA	TTGCTTTCTC	AGGAATTTCC	AACGTCAGTG	CTAATATTTA	AGGTACTAGG	1980
ATTACAGAAT	TTGATTAAAT	AATCTTTGTT	TTGTGATAAA	GTTGTTTCAA	TTCTTTTATC	2040
TTTAGCTTGA	ATTAATAATAG	GTATTTCTTT	AGACAATGGC	GTATTTACTT	CTACACGTGA	2100
TTGTCTTACA	GATTTAATGA	TTTCAACAAG	TGGTKGCATT	GTTTGTTAAC	TTTCTTCAAA	2160
AATCAATGAT	TCACGCACCT	CTGGCCATGA	AGCTTTAACA	ATTGTGTCAC	CTTCATGTGG	2220
TAAACTTTGC	CATATTTTCT	CTGTTACAAA	TGGCATGAAT	GGATGTAGCA	TTCTCATAAT	2280
ATTGTCTAAA	GTATAACTCA	ATACTGAACG	TGTAACCTGT	TTTTGTTCTT	CATCATTACT	2340
ATTCATTGGA	ATTTTACTCA	TTTCAATGTA	CCAATCACAG	AAATCATCCC	AAATGAAATT	2400
ATATAATGCA	CGTCCAACCT	CGCCGAATTC	ATATTTGTCA	CTTAAATCAG	TAACGTGTTGC	2460
AATCGTTTCA	TTTAAACGTG	TTAGAATCCA	TTTATCTGCT	AATGATAAGT	TACCACTTAA	2520
ATCGATATCT	TCAACTTTAA	AGTCTTCACC	GATATTCATT	AAACTGAAAC	GTGCCCCATT	2580
CCAGATTTTA	TTGATAAAGT	TCCACACTGA	CTCAACTTTT	TCAGTTGAGT	ATCTTAAATC	2640
ATGTCCTGGA	GATGAACCTG	TTGCTAAGAA	GTAACGCAAG	CTATCAGCAC	CGTATTCGTC	2700
AATAACATCC	ATTGGATCGA	CCTGCAGGCA	TGCAAG			2736

(2) INFORMATION FOR SEQ ID NO: 105:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	2255 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 105:

CNCGNNAGCG	ANGTNGCCGA	GGATCCTCTA	GAGTCNATCG	GTTATCGGTG	AAAAGATATG	60
TCGCATCATT	GATTACTGCA	CTGAGAACCG	TTTACCATT	ATTCTTTTCT	CTGCAAGTGG	120
TGGTGACGCT	ATGCAAGAAG	GTATTATTTT	CTTGATGCAA	ATGGGTAAAA	CCAGTGATATC	180
TTTAAAACGT	CATTCTGACG	CTGGACTATT	ATATATATCA	TATTTAACAC	ATCCAACCTAC	240
TGGTGGTGTA	TCTGCAAGTT	TTGCATCAGT	TGGTGATATA	AATTTAAGTG	AGCCAAAAGC	300
GTTGATAGGT	TTTGCAGGTC	GTCGAGTTAT	TGAACAGACA	ATAAACGAAA	AATTGCCAGA	360
TGATTTCCAA	ACTGCAGAA	TTTTATTAGA	GCTATGACAA	TTGGATAAAG	TTGTACATCG	420
TAATGATATG	CGTCAAACAT	TGTCTGAAAT	TCTAAAAATC	CATCAAGAGG	TGACTAAATA	480
ATGTTAGATT	TTGAAAAACC	ACTTTTGTAA	ATTCGAAATA	AAATTGAATC	TTTAAAAGAA	540
TCTCAAGATA	AAAATGATGT	GGATTTACCA	AAGAAGAATT	TGACATGCCCT	TGAARCGTCM	600
TTGGRACGAG	AAACTAAAAA	AATATATACA	AATCTAAAAA	CATGGGATCG	TGTGCAAAAT	660
GCGCGTTTGC	AAGAAAGACC	TACGACCCTA	GATTATATTC	CATATATCTT	TGATTCGTTT	720
ATGGAACCTAC	ATGGTGATCG	TAATTTTAGA	GATGATCCAG	CAATGATTGG	TGGTATTGGC	780
TTTTTAAATG	GTCGTGCTGT	TACAGTYRTK	GGACAAACAAC	GTGGAAAAGA	TACWAAAGAT	840
RATATTTATC	GAAATTTTKG	GTATGGCGCA	TCCAGAAGGT	TATCGAAAAG	CATTACGTTT	900
AATGAAACAA	GCTGAAAAAT	TCAATCGTCC	TATCTTTACA	TTTATAGATA	CAAAAGGTGC	960
ATATCCTGGT	AAAGCTGCTG	AAGAACGTGG	ACAAAGTGAA	TCTATCGCAA	CAAATTTGAT	1020
TGAGATGGCT	TCATTTAAAG	TACCAGTTAT	TGCGATTGTC	ATTGKYGAAG	GTGGCAGTGG	1080
AGGTGCTCTA	GGTATTGGTA	TTGCCAATAA	AGYATTGATG	TTAGAGAATA	GTACTTACTC	1140
TGWTATATCT	CCTGAAGGTG	CAGCGGCATT	ATTATGGAAA	GACAGTAATT	TGGCTAAAAAT	1200
YGCAGCTGAA	ACAATGAAWA	TTACTGCCCC	TGATATTAAG	CAATTAGGTA	TTATAGATGA	1260
TGYCATTTCT	GAACCACTTG	GCGGTGCACA	TAAAGATATT	GAACAGCAAG	CTTTAGCTAT	1320
TAAATCAGCG	TTTGTGTCAC	AGTTAGATTC	ACTTGAGTCA	TTATCAACGT	GATGAAATTG	1380
CTAATGATCG	CTTTGAAAAA	TTCAGAAATA	TCGGTTCTTA	TATAGAATAA	TCAACTTGAG	1440
CATTTTTATG	TTAAATCGAT	ACTGGGTTTT	ACCATAAATT	GAAGTACATT	AAAACAATAA	1500
TTTAATATTT	AGATACTGAA	TTTTTAACTA	AGATTAGTAG	TCAAAATTGT	GGCTACTAAT	1560
CTTTTTTTAA	TTAAGTTAAA	ATAAAATTCA	ATATTTAAAA	CGTTTACATC	AATTCATAC	1620
ATTAGTTTTG	ATGGAATGAC	ATATCAATTT	TGGTGAATTT	AGAGTTAAAG	ATAAATCAGT	1680
TATAGAAAGG	TATGTCGTCA	TGAAGAAAAT	TGCAGTTTTA	ACTAGTGGTG	GAGATTCAAC	1740
TGGAATGAAT	GCTGCCGTAA	GAGCAGTTGT	TCGTACAGCA	ATTTACAATG	AAATTGAAGT	1800
TTATGGTGTG	TATCATGGTG	ACCAAGGATT	GTTAAATGAT	GATATTCATA	AACTTGAATT	1860
AGGATCRAGT	TGGGATACG	ATTCAGCGTG	GAGGTACATT	CTTGTATTCA	GCAACTGTGC	1920
CAGAGTTTAA	GGAGCAAGAA	GTACGTAAAG	TTGCAATCGA	AACTTACGT	AAAAGAGGGA	1980
TTGAGGGCCT	TGTAGTTATT	GGTGGTGACG	GTAGTTATCG	CGGTGCACAA	CGCATCAGTG	2040
AGGAATGTAA	AGAAATTCAA	ACTATCGGTA	TTCTGGTAC	GATTGACAAT	GATATCAATG	2100
GTACTGATTT	TACAATTGGA	TTTGACACAG	CATTAAATAC	GATTATTGGC	TTAGTCGACA	2160
AAATTAGAGA	TACTGCGTCA	AGTCACGCAC	GAACATTTAT	CATTGAAGCA	ATGGGCCGTG	2220
ATTGTGGAGT	CATCTGGAGT	CGACCTGCTA	GTCTT			2255

(2) INFORMATION FOR SEQ ID NO: 106:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 417 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:

GTGATGGATT AAGTCCTAAA TTTNNATTCTG CTTTCTTGTC TTTTAAATCT TTTTCAGACA	60
TTTTATCGAT TTACAGTTTT GTATACTTAG GATTTAAATA GGCATTAATT GTTTTCTTGT	120
CCAAAAATTG ACCATCTTGA TACAAATATT TATCTGTTGG AAATACTTCT TTAATAAGT	180
NCAATAAACC ATCTTCAAAG TCGCCGCCAT TATAACTATT TGCCATGTTA TCTTGTAATA	240
GTCCTCTTGC CTGGNTTCT TTAATGGTA ACAATGTACG NTAGTTATCA CCTTGACAT	300
TTTTATCCGT TGCAATTTCT TNTACTTGAT TTGAACTATT GTTATGTTT NAATTATCTT	360
TTCCAGCCT GGGTCATCCT TATGGTTANC ACAAGCAGCG AGTATAAAGG TAGCTGT	417

(2) INFORMATION FOR SEQ ID NO: 107:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 497 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:

TAATGTAGCA ATTACAAGGC CTGAAGAGGT GTTATATATC ACTCATGCGA CATCAAGAAT	60
GTNATTTGGN CGCCCTCAGT CAAATATGCC ATCCAGNTTT TNAAAGGAAA TTCCAGAATC	120
ACTATTAGAA AATCATTCAA GTGGCAAACG ACAAACGGTA CAACCTNNGG CAAAACCTTT	180
TNCTAAACGC GGNTTTTGTC AACGGNCAAC GTCAACGGNN AANCAAGTAT TNTNATCTGN	240
TTGGAATNTT GGTGGCAANG TGGTGCNTAA NGNCNCCGGG GGGAGGCATT GTNNGTAATT	300
TTAACNGGA NAATGGCTCN NTCGGNCTNG GTNTTATNTT TTATTCACAC AGGGNCGCGN	360
CANGTTTTTT TTGTNGGATT TTTTCCCCC NTTTTTNAAA AGGNGGGGTN TTNNGGGTGG	420
CTGNTTTANT NGTCTCNGNG TGGNCGTGN TATTNNNTT TTTNTTNNA TCCAAGCCTT	480
NTATGACTTT NNTTGGG	497

(2) INFORMATION FOR SEQ ID NO: 108:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:

CTGAAGAGGT GTTATATATC AC 22

(2) INFORMATION FOR SEQ ID NO: 109:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:

GTGATGGATT AAGTCCTAAA TT 22

(2) INFORMATION FOR SEQ ID NO: 110:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	22 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:

CTCAGTCAAA TATGCCATCC AG

22

(2) INFORMATION FOR SEQ ID NO: 111:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:	22 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 111:

CTTTAAATGG TAACAATGTA CG

22